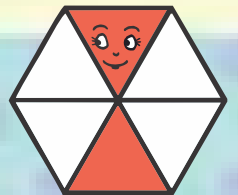
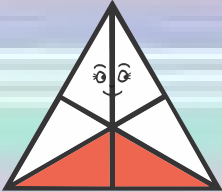
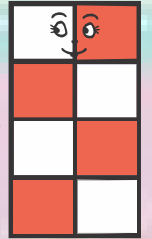
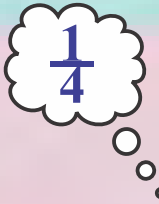
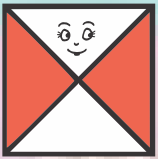
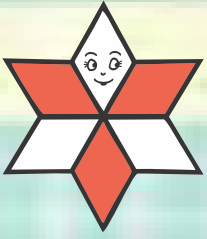


Samagra Shiksha

# Let's do friendship with Mathematics

## Workbook

Standard : Four



State Council of Educational Research and Training, Maharashtra, Pune.

## Let's do friendship with Mathematics : Standard Four

- **Promoter** : School Education and Sports Department, Government of Maharashtra.
- **Publisher** : State Council of Educational Research and Training, Maharashtra, Pune.
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Samagra Shiksha

**Let's do friendship with Mathematics**

**Workbook**

**Std. : Four**



Name : \_\_\_\_\_

School : \_\_\_\_\_

Standard : \_\_\_\_\_ Division : \_\_\_\_\_



State Council of Educational Research and Training, Maharashtra, Pune.

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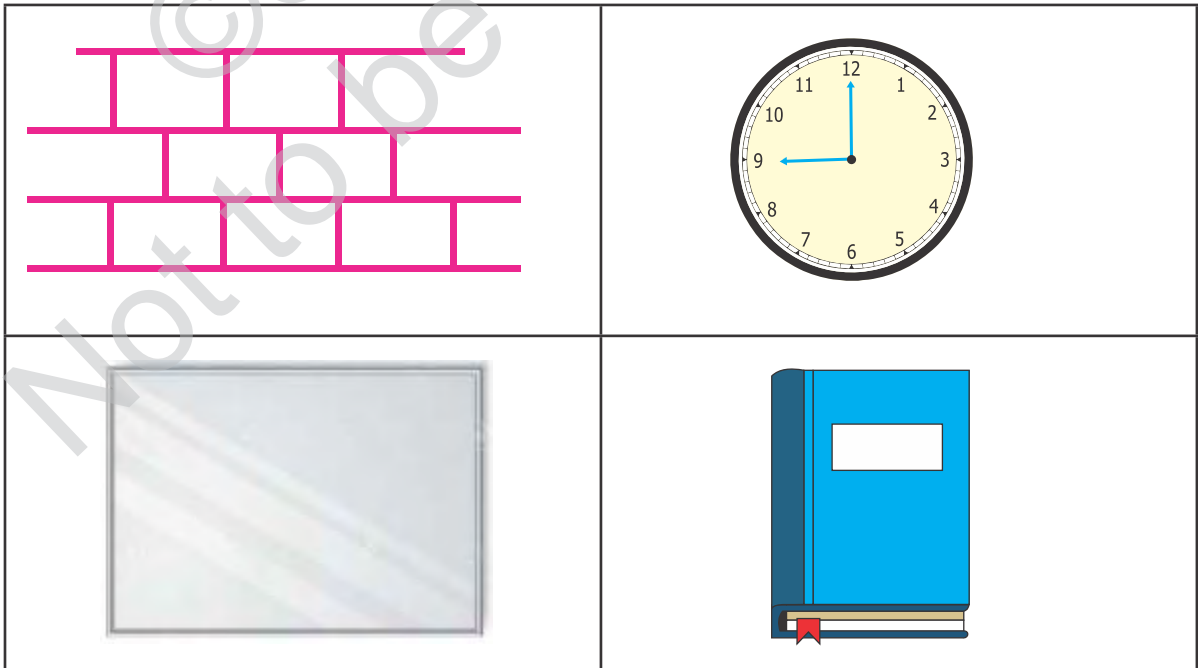
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# 1. Let's draw geometrical shapes

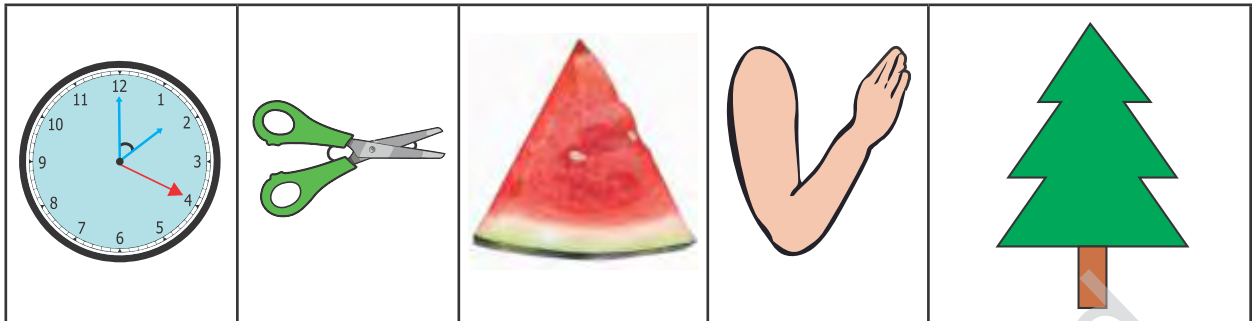
◆ Show the angles in the picture given below.



◆ Show the right angles formed in each of following diagrams.



- Observe the figures carefully, the first two pictures show acute angles. Find the acute angles formed in the remaining pictures.

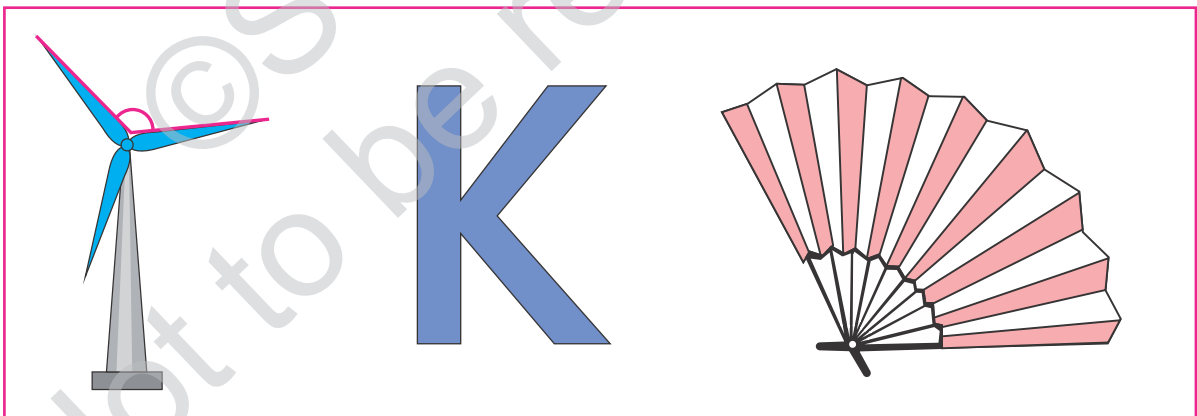


- Write the number of acute angles and right angles from given picture.

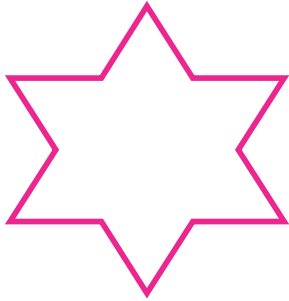


Total No. of right angles	
Total No. of acute angles	

- Look at the obtuse angle shown in the first picture. Mark different obtuse angles in the remaining pictures.

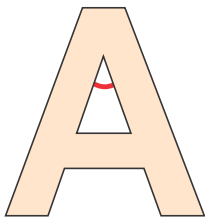


- Write down the total number of acute angles and total number of obtuse angles seen in the star.

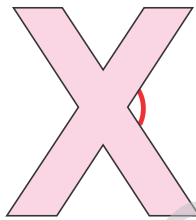


Total No. of acute angles	
Total No. of obtuse angles	

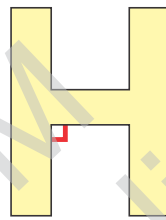
- Write the names of the type of angles shown by the letters.



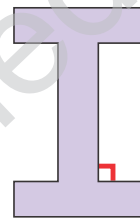
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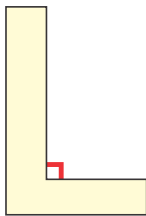
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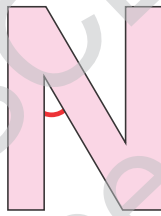
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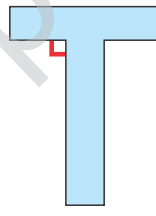
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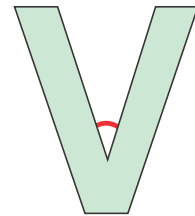
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.....



.....



.....

- Write the names of the objects in your house those show right angles.

1) .....

2) .....

3) .....

4) .....

5) .....

6) .....

◆ Trace angles in the given figure and write the type of angle in the given box.

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1. A right angle (90 degrees) formed by two perpendicular dashed lines. Below it is a box with a dotted line.

2. An acute angle (approximately 45 degrees) formed by two dashed lines meeting at a vertex. Below it is a box with a dotted line.

3. A right angle (90 degrees) formed by two perpendicular dashed lines. Below it is a box with a dotted line.

4. An obtuse angle (approximately 135 degrees) formed by two dashed lines meeting at a vertex. Below it is a box with a dotted line.

5. An acute angle (approximately 30 degrees) formed by two dashed lines meeting at a vertex. Below it is a box with a dotted line.

6. An obtuse angle (approximately 150 degrees) formed by two dashed lines meeting at a vertex. Below it is a box with a dotted line.

7. A right angle (90 degrees) formed by two perpendicular dashed lines. Below it is a box with a dotted line.

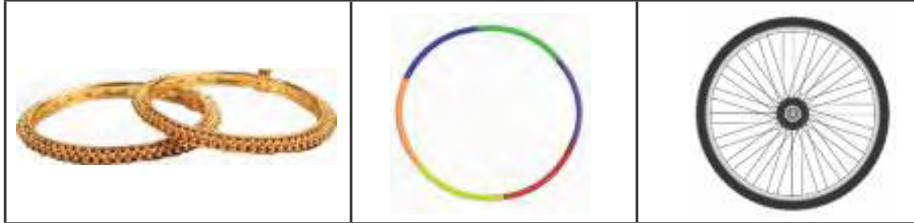
8. An acute angle (approximately 60 degrees) formed by two dashed lines meeting at a vertex. Below it is a box with a dotted line.

9. An obtuse angle (approximately 120 degrees) formed by two dashed lines meeting at a vertex. Below it is a box with a dotted line.

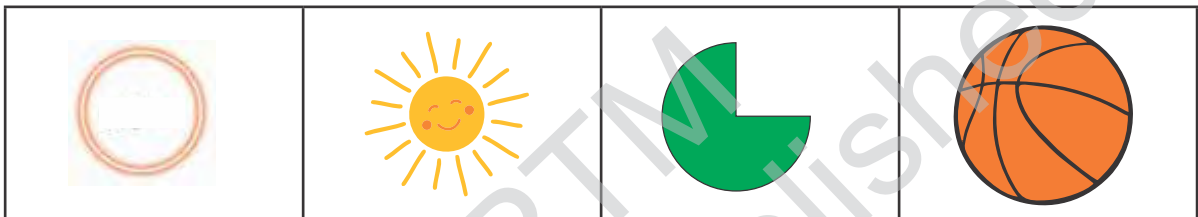


## Circle

- ◆ Write the name of the shape of the given object.



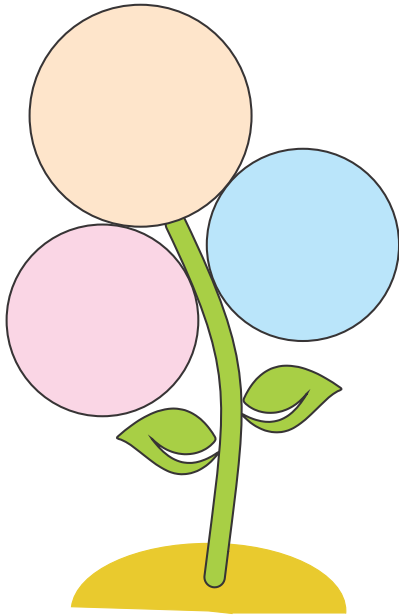
- ◆ Put a tick (✓) in the box under the object that looks like a circle.



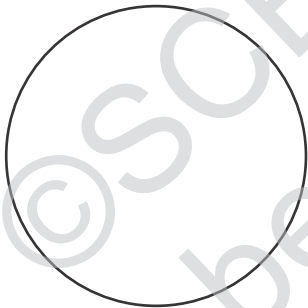
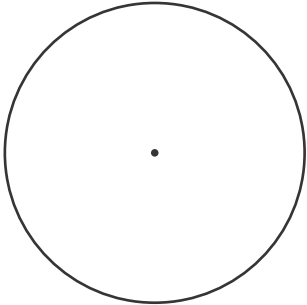
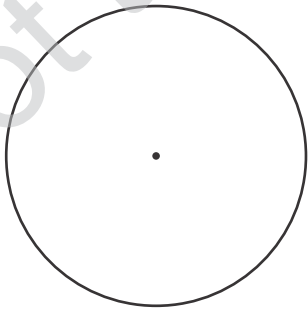
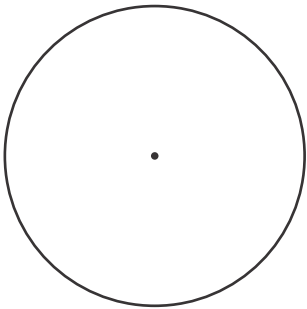
- ◆ Draw circles with the help of coin, bottle's lid, jar lid, bangle etc.



◆ Draw the given figure with the help of a compass and colour it.

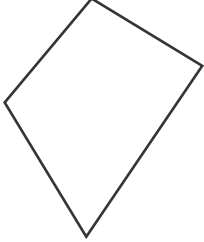

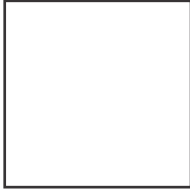
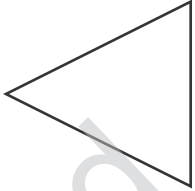


◆ Do as directed.

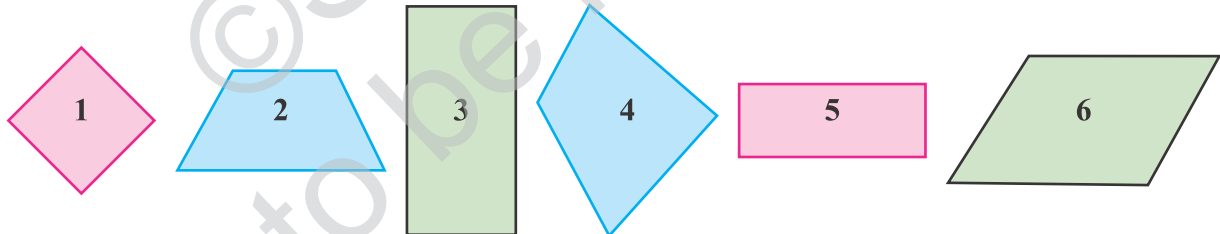
 <p>Show the centre</p>	 <p>Draw the radius</p>
 <p>Draw the diameter</p>	 <p>Draw the chord</p>

**Geometrical figures : vertex and side**

- ◆ Complete the table by writing the name of the shape, number of vertices, number of sides and number of angles.

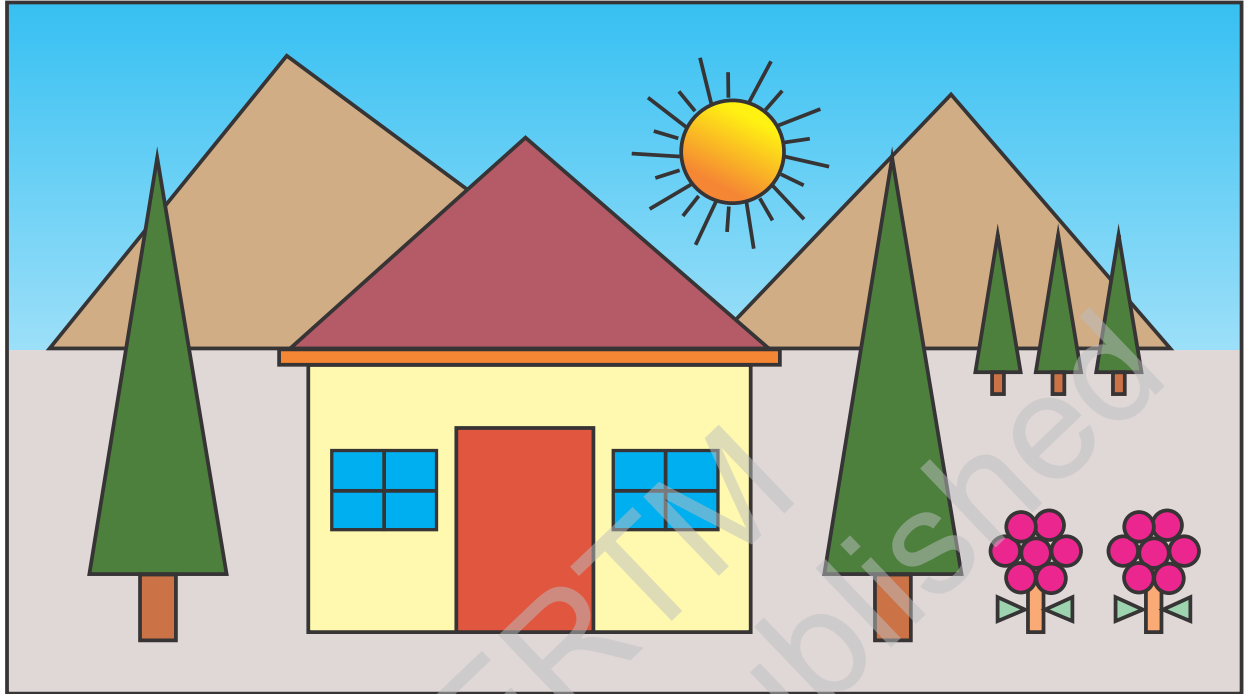
<b>Figure</b>				
<b>Shape</b>	<b>Quadrilateral</b>			
<b>Vertices</b>				
<b>Sides</b>				
<b>Angles</b>				

- ◆ Complete the table by observing figures.



	1	2	3	4	5	6
Four sides	✓					
Four corners	✓					
Opposite sides are equal	✓					
All sides are equal	✓					

◆ Draw and colour the given picture in the box.

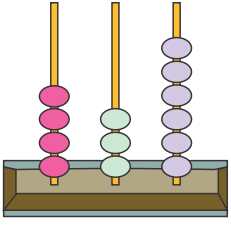
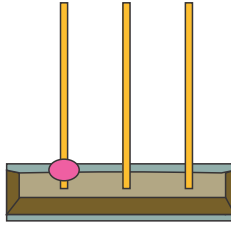
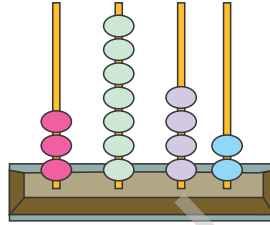
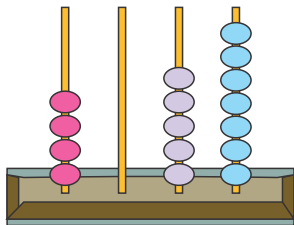
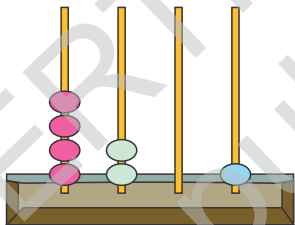
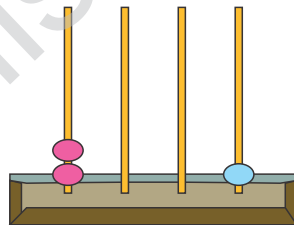
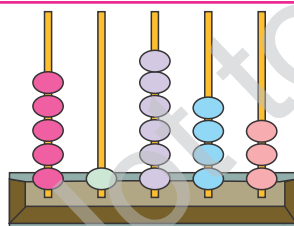
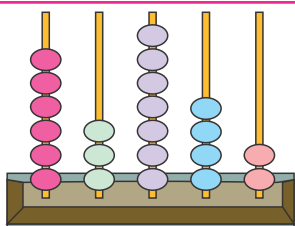
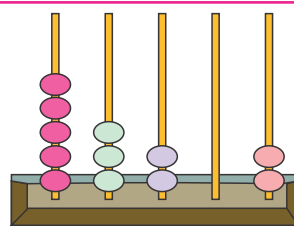


Let's find the geometrical figures.



## 2. Fun with numbers

◆ Read the numbers represented by the beads in the abacus and write it in figures and in words.

 <p style="text-align: center;"><b>H T U</b></p>	 <p style="text-align: center;"><b>H T U</b></p>	 <p style="text-align: center;"><b>Th H T U</b></p>
<p>Number : 436</p> <p>Four hundred and thirty-six</p>	<p>Number :</p> <p>.....</p> <p>.....</p>	<p>Number :</p> <p>.....</p> <p>.....</p>
 <p style="text-align: center;"><b>Th H T U</b></p>	 <p style="text-align: center;"><b>Th H T U</b></p>	 <p style="text-align: center;"><b>Th H T U</b></p>
<p>Number :</p> <p>.....</p> <p>.....</p> <p>.....</p>	<p>Number :</p> <p>.....</p> <p>.....</p> <p>.....</p>	<p>Number :</p> <p>.....</p> <p>.....</p> <p>.....</p>
 <p style="text-align: center;"><b>TTh Th H T U</b></p>	 <p style="text-align: center;"><b>TTh Th H T U</b></p>	 <p style="text-align: center;"><b>TTh Th H T U</b></p>
<p>Number :</p> <p>.....</p> <p>.....</p> <p>.....</p>	<p>Number :</p> <p>.....</p> <p>.....</p> <p>.....</p>	<p>Number :</p> <p>.....</p> <p>.....</p> <p>.....</p>

◆ Match the following.

Seven thousand six hundred and forty-two

Three thousand nine hundred and eighty-six

Sixty thousand, two hundred and four

Nine thousand and one

Two thousand one hundred and thirty-five.

9,001

60,204

7,642

2,135

3,986

◆ Look at the picture and complete the following.



- 1) From the digits, make as many four digit numbers using each digit only once.

3,452		

- 2) From the digits, make as many five digit numbers using each digit only once.

23,456		

◆ Compare the numbers using  $<$ ,  $>$ ,  $=$  sign.

1) 5,934  6,275

2) 7,232  7,203

3) 9,845  8,954

4) 18,632  18,632

5) 78,199  78,945

6) 65,201  56,102

7) 92,000  88,999

8) 51,505  51,505

◆ Write the correct numbers in the given box.

5,384	=	5,000	+	300	+	80	+	4
6,025	=		+		+		+	
8,432	=		+		+		+	
	=	5,000	+	0	+	50	+	5
	=	3,000	+	0	+	0	+	5

◆ Complete the table by writing the numbers in their increasing order or Ascending order.

6,001				
	6,007			
				6,015
6,016				
				6,025

◆ Complete the table by writing the numbers in their decreasing order or Descending order.

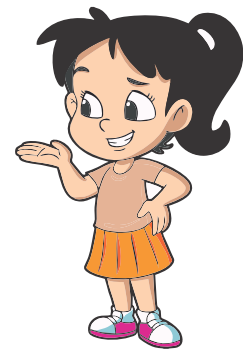
75,000		74,998		
			74,992	
	74,989			
		74,983		
				74,976

◆ Read the numbers and write the place value of each digit.

1) 4,352	2) 9,876																								
<table border="1"> <thead> <tr> <th>Th</th> <th>H</th> <th>T</th> <th>U</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>3</td> <td>5</td> <td>2</td> </tr> <tr> <td>4,000</td> <td>300</td> <td>50</td> <td>2</td> </tr> </tbody> </table>	Th	H	T	U	4	3	5	2	4,000	300	50	2	<table border="1"> <thead> <tr> <th>Th</th> <th>H</th> <th>T</th> <th>U</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Th	H	T	U								
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Th	H	T	U																						
5) 23,718																									
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TTh	Th	H	T	U																					
6) 45,001																									
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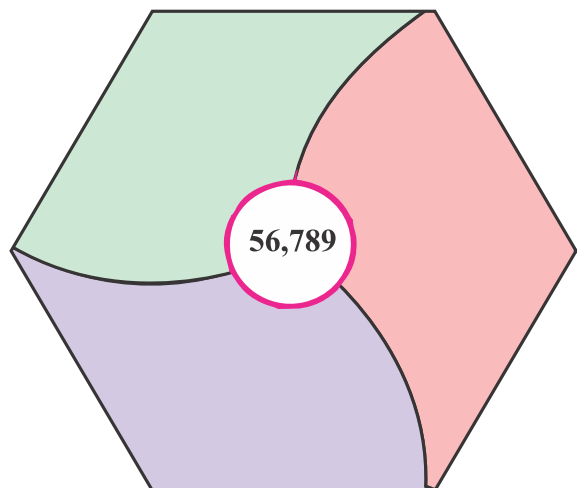
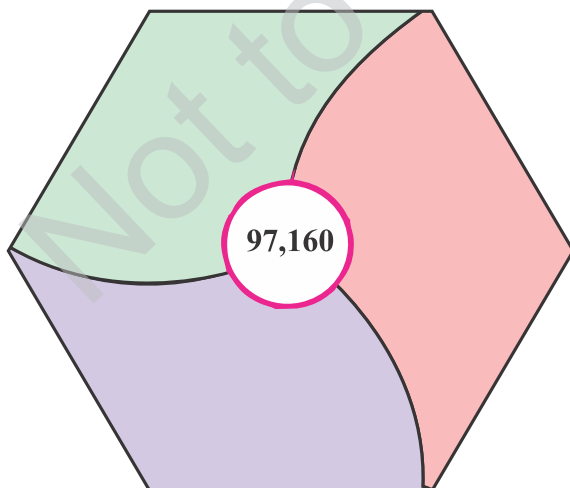
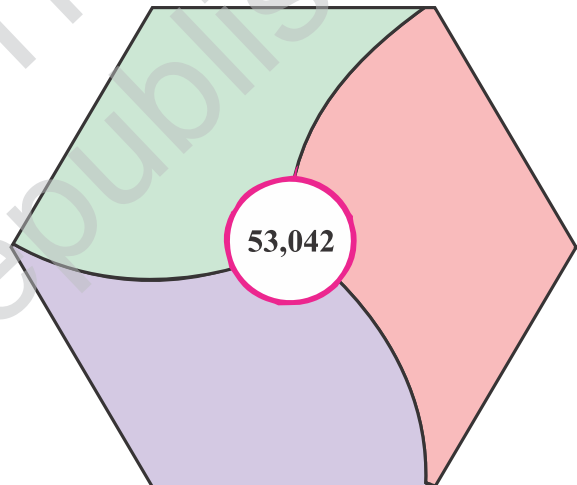
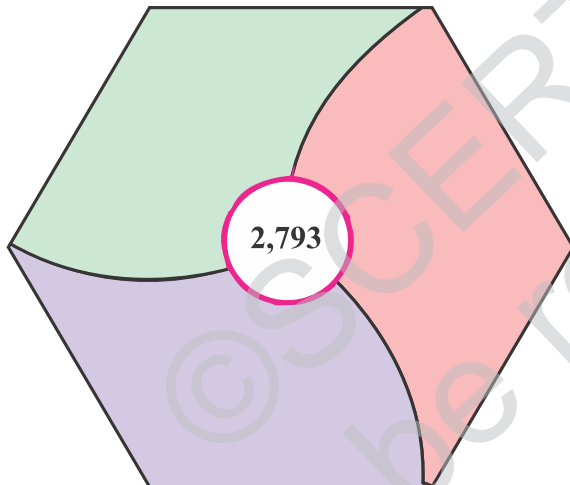
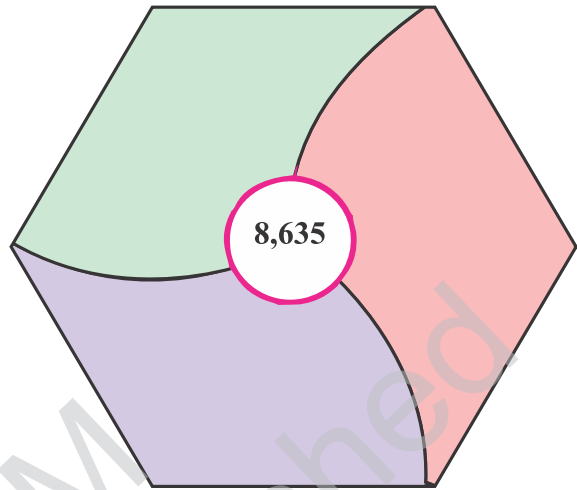
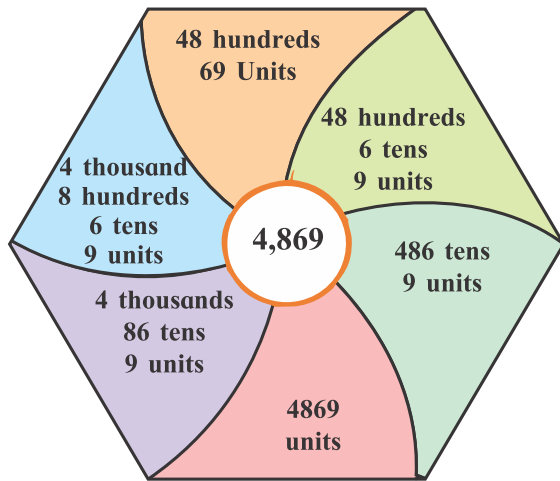
◆ Write the place value of the underlined digits.

Sr. No.	Number	Place value
1.	9, <u>7</u> 85	700
2.	6,0 <u>4</u> 3	
3.	<u>7</u> 7,707	
4.	45,6 <u>8</u> 7	
5.	2, <u>0</u> 09	





◆ Write the numbers in different ways as shown in the given example.



◆ Search and colour the given numbers in the table given below. 

Pink	Green	Blue	Yellow
Nine thousand seven hundred forty four	Forty-three	Six Thousand Three Hundred and Thirty four	Ninety Thousand Nine Hundred and one
Eight Hundred Ten	Six Hundred Ninety nine	Three Thousand Nine Hundred and Fifty six	Three Thousand Four Hundred and Eighty one
Three Thousand Seven Hundred and Sixty one	Fifty five	Sixty nine	Seven Hundred and Thirty one
One Hundred Eighty	Six Thousand Three Hundred and Forty three	One Hundred and Fifty eight	Eight Hundred and Eighty eight
7 Tens 1 Unit	5 Hundreds 15 Units	20 Thousand 2 Hundred 2 Tens 1 Unit.	4 Thousand 7 Hundred 21 Units.
8 Ten Thousands 2 Thousands 4 Hundreds 7 Tens 8 Units	6 Thousands 4 Hundreds 4 Tens 8 Units	5 Thousand 48 Units	3 Thousand 1 Hundred 7 Units
$9000 + 600 + 40 + 4$	$10000 + 1000 + 100 + 1$	$700 + 10 + 2$	$5000 + 600 + 60 + 6$
$2000 + 400 + 60 + 8$	$8800 + 21$	$70 + 6$	$30 + 1$
$6 + 50 + 500 + 5000$	$900 + 20 + 2$		
$900 + 9$	$100 + 1$		

◆ Colour the boxes by matching the above numbers.

9,644	3,481	922	515	888	6,343
6,334	5,556	4,721	5,666	101	20,221
82,478	158	810	43	3,956	909
2,468	76	11,101	71	712	3,761
548	8,821	31	90,901	9,744	69
699	731	55	6,448	317	180

- ◆ Draw geometrical shapes on the dot grid paper. Write the next sequence of numbers in each.

- ◆ Write the number just before and just after in the table.

Number just before	Number	Number just after
1,364	1,365	1,366
	4,287	
	5,900	
	6,039	
	94,317	

◆ Complete the table.

Sr. No.	Numbers	Smallest number	Greatest number
1.	8,437 , 4,329	4,329	8,437
2.	6,043 , 6,385		
3.	9,381 , 6,218		
4.	7,060 , 7,690		
5.	4,444 , 40,000		
6.	37,925 , 30,978		



◆ Write the four digit numbers using digits on the calculator and write the smallest and largest number.

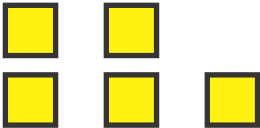




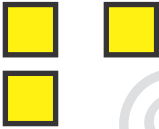



Line No.	Numbers formed	Smallest number	Greatest number
1.	1,147, 1,447, 4,117, 4,471, 7,741, 7,714, 7,411	1147	7741
2.			
3.			

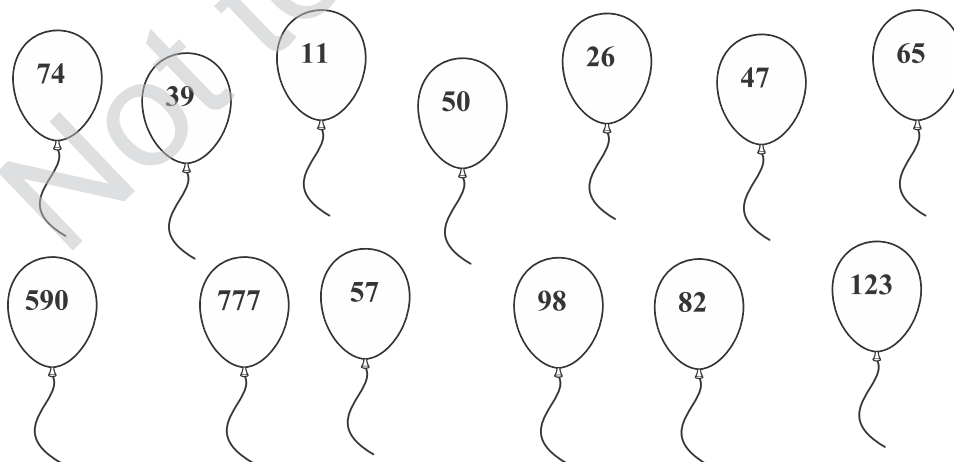
◆ Arrange the numbers in ascending and descending order.

Numbers	Ascending order	Descending order
6,428, 6,724, 6,245		
2,700, 2,007, 2,070,		
5,555, 5,008, 50,550		
94,139, 5,824, 31,697		
42,356, 59,667, 24,796		

◆ Complete the table.

Shapes	Numbers	Even	Odd
	5	–	✓
			
			
			
			
			
			

◆ Colour the even numbers in yellow and odd numbers in red colour.



- ◆ Write odd numbers in the given boxes in order.

1	<input type="text"/>	<input type="text"/>	<input type="text"/>	9	<input type="text"/>
<input type="text"/>	<input type="text"/>	17	<input type="text"/>	<input type="text"/>	<input type="text"/>
25	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	41	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	55	<input type="text"/>	<input type="text"/>
61	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	71



- ◆ List down where we see international number system.

Eg. : Wall Clock .....

.....

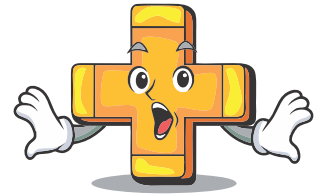
- ◆ Write numbers using International numerals and Devnagari numerals seen on the two wheeler and four wheeler number plate.

Two wheeler and four wheeler number plates	
Using International numerals	Using Devnagari numerals
4646	४६४६



□□□

### 3. Let's do addition



◆ Find the sum.

$869 + 456$	$4506 + 392$	$6791 + 3009$																																																												
<table border="1" style="border-collapse: collapse; width: 100%; text-align: center;"> <thead> <tr style="background-color: #f8d7da;"><th>Th</th><th>H</th><th>T</th><th>U</th></tr> </thead> <tbody> <tr><td>1</td><td>1</td><td>1</td><td></td></tr> <tr><td></td><td>8</td><td>6</td><td>9</td></tr> <tr><td></td><td>4</td><td>5</td><td>6</td></tr> <tr style="background-color: #fff3cd;"><td>1</td><td>3</td><td>2</td><td>5</td></tr> </tbody> </table>	Th	H	T	U	1	1	1			8	6	9		4	5	6	1	3	2	5	<table border="1" style="border-collapse: collapse; width: 100%; text-align: center;"> <thead> <tr style="background-color: #f8d7da;"><th>Th</th><th>H</th><th>T</th><th>U</th></tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr style="background-color: #fff3cd;"><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Th	H	T	U																	<table border="1" style="border-collapse: collapse; width: 100%; text-align: center;"> <thead> <tr style="background-color: #f8d7da;"><th>Th</th><th>H</th><th>T</th><th>U</th></tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr style="background-color: #fff3cd;"><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Th	H	T	U																
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$3088 + 5001$	$7076 + 2701$	$2098 + 4903$																																																												
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Th	H	T	U																																																											

◆ Solve.

- 1) 3 ten 4 units + 5 hundreds 6 tens 2 units = 5 hundreds 9 tens 6 units
- 2) 6 thousands 7 hundreds 0 tens 5 units + 4 thousands 0 hundreds 6 tens 4 units =  
.....
- 3) 9 thousands 3 hundreds 4 tens 2 units + 8 thousands 4 hundreds 5 tens 7 units =  
.....

◆ Solve.

- 1) If Sudha wants to buy a saree of ₹ 2,456 and a dress of ₹ 1,323. How much amount will she need to buy both?

1) Which information is given?	Sudha's saree of ₹ 2,456 and a dress ₹ 1,323.
2) What is asked?	amount required to buy both
3) Which operation should be used?	addition

Th	H	T	U

2) Ira purchased an iron for ₹ 875 and a fan for ₹ 1,042. How much money was spent in all?

1. Which information is given?	
2. What is asked?	
3. Which operation should be used?	

Th	H	T	U

3) In a library there were 2,430 books. This year they purchased 725 books. How many books are there at present ?

1. Which information is given?	
2. What is asked?	
3. Which operation should be used?	

Th	H	T	U

◆ Fill in the boxes with appropriate numbers.

Th	H	T	U
+			
	3	3	3
	4	0	5
	7	3	8

Th	H	T	U
+			
	7		5
	1	4	2
	2	8	7

Th	H	T	U
1			
+			
	5		
	6	4	0
	7	1	4

Th	H	T	U
+			
	1	1	
	7		9
		0	8
	9	3	0

Th	H	T	U
+			
	1		
	3	6	4
	8	2	1

Th	H	T	U
+			
	1		
	0	5	0
	9	1	3



◆ Solve the following puzzle.

$663 + 475$	$954 + 851$
-------------	-------------

$664 + 452$	→	1			6
		★		8	★
$564 + 743$	→	1			7
		★			★



◆ Add horizontally.

		TTh	Th	H	T	U
$482 + 362$	⇒	0	0	8	4	4
$675 + 523$	⇒	0	1			
$705 + 584$	⇒			2		
$518 + 1092$	⇒		1		1	
$7906 + 95$	⇒				0	1
$8076 + 3752$	⇒	1	1			

◆ Fill in the boxes with appropriate numbers.

1) 
$$\begin{array}{r} \square \quad 7 \quad 2 \\ + 3 \quad \square \quad 6 \\ \hline 4 \quad 7 \quad \square \end{array}$$

2) 
$$\begin{array}{r} 3 \quad 7 \quad 2 \\ + \square \quad 5 \quad \square \\ \hline 5 \quad \square \quad 6 \end{array}$$

3) 
$$\begin{array}{r} 4 \quad \square \quad \square \\ + 3 \quad 6 \quad \square \\ \hline \square \quad 9 \quad 0 \end{array}$$

4) 
$$\begin{array}{r} 6 \quad 4 \quad \square \\ + 1 \quad \square \quad 2 \\ \hline \square \quad 4 \quad 3 \end{array}$$

5) 
$$\begin{array}{r} 2 \quad \square \quad 5 \quad 6 \\ + \square \quad 2 \quad \square \quad 1 \\ \hline 9 \quad 5 \quad 9 \quad 7 \end{array}$$

6) 
$$\begin{array}{r} 1 \quad \square \quad \square \quad 2 \\ + \square \quad 2 \quad 7 \quad \square \\ \hline 8 \quad 8 \quad 8 \quad 8 \end{array}$$

◆ **Add the following.**

1) Six hundred and nine + four hundred

2) Ninety nine thousand and three + eight hundred and fifteen

3) Seventeen thousand two hundred and five + six thousand three hundred

4) Nine hundred ninety-nine + nine thousand nine hundred and ninety-nine

◆ Using any digits between 1 to 6, add the numbers to get the smallest and largest number.

The smallest sum

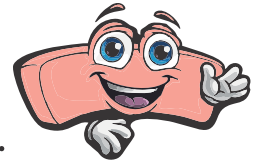
	<input type="text"/>	<input type="text"/>	<input type="text"/>
+	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>

The largest sum

	<input type="text"/>	<input type="text"/>	<input type="text"/>
+	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>



## 4. Let's do subtraction



◆ Solve the subtraction by putting the numbers given for the fruits.

= 68	= 84	= 49	= ....	= ....
------	------	------	--------	--------

	-		=	
	-		=	
	-		=	<input style="width: 50px; height: 30px; border: 1px solid blue;" type="text"/>
	-		=	<input style="width: 50px; height: 30px; border: 1px solid blue;" type="text"/>

◆ Subtract the following.

987 - 565

Th	H	T	U
	9	8	7
-	5	6	5
	4	2	2

7648 - 3862

Th	H	T	U

6037 - 2728

Th	H	T	U

6523 - 2869

Th	H	T	U

9056 - 4170

Th	H	T	U

2000 - 1999

Th	H	T	U

◆ **Solve.**

1) 4 hundreds 3 tens 6 units – 4 hundreds 2 tens 2 units

.....

2) 7 thousands 4 hundreds 8 tens 9 units – 5 thousands 0 hundreds 4 tens 4 units

.....

3) 9 thousands 0 hundreds 5 tens 9 units – 8 thousands 0 hundreds 1 ten 3 units =

.....

◆ **Solve the word problems.**

1) Paras purchased an uniform for ₹ 775 and a school bag for ₹ 646. How much more money did he spend on the uniform than the school bag?

1) Which information is given?	
2) What is asked?	
3) Which operation should be used?	

Th	H	T	U

2) A godown has a capacity of 2,915 sacs. At present there are 427 sacs. How many more sacs can be filled up in the godown?

1) Which information is given?	
2) What is asked?	
3) Which operation should be used?	

Th	H	T	U

- 3) In the year 2021, Std IV children from Aanewadi school had collected 7,584 seeds, out of which 5,635 seeds were of jamun and remaining were of custard apple. How many seeds of custard apple are there?

1) Which information is given?	
2) What is asked?	
3) Which operation should be used?	

Th	H	T	U

◆ Fill in the boxes with appropriate numbers in the boxes.

Th	H	T	U
-	8	5	8
	3	2	4
	5	3	4

Th	H	T	U
-	5	4	6
	2		2
	3	3	9
	3	9	5

Th	H	T	U
-	6	8	3
		5	7
	3	2	5
	2	5	6

Th	H	T	U
-		0	
	4	8	1
	1	1	9
	1	9	6

◆ Write correct numbers in the boxes.

1)  $782 - 663$

2)  $6,387 - 3,873$

3)  $7,004 - 2,021$

4)  $5,331 - 3,762$

5)  $8,173 - 4,632$

6)  $9,745 - 89$

◆ Fill in the numbers to get the correct answers.

$$\begin{array}{r}
 1) \quad 7 \quad \square \quad 3 \quad 2 \\
 - \quad 2 \quad 2 \quad 1 \quad 5 \\
 \hline
 \square \quad 1 \quad \square \quad 7
 \end{array}$$

$$\begin{array}{r}
 2) \quad 5 \quad 4 \quad \square \quad 2 \\
 - \quad 3 \quad \square \quad 7 \quad 1 \\
 \hline
 2 \quad 0 \quad 2 \quad \square
 \end{array}$$

$$\begin{array}{r}
 3) \quad 9 \quad \square \quad 9 \quad 9 \\
 - \quad \square \quad 7 \quad 6 \quad \square \\
 \hline
 \square \quad 2 \quad \square \quad 4
 \end{array}$$

$$\begin{array}{r}
 4) \quad 8 \quad 7 \quad 6 \quad 5 \\
 - \quad 1 \quad \square \quad 3 \quad \square \\
 \hline
 6 \quad 9 \quad \square \quad 1
 \end{array}$$

◆ Solve.

1)

TTh	Th	H	T	U
5	3	8	5	1
-	3	1	2	3

2)

TTh	Th	H	T	U
3	5	4	0	5
-	1	2	6	6

3)

TTh	Th	H	T	U
3	4	5	6	0
-	2	2	9	7

4)

TTh	Th	H	T	U
६	०	०	०	०
-	३	२	०	०

5)

TTh	Th	H	T	U
5	4	3	5	0
-	1	4	6	9

6)

TTh	Th	H	T	U
8	0	0	0	0
-	7	5	3	5

7)

TTh	Th	H	T	U
6	5	4	7	0
-	3	7	7	6

8)

TTh	Th	H	T	U
5	5	5	4	5
-	2	3	7	7

9)

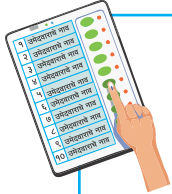
TTh	Th	H	T	U
9	0	0	0	0
-	2	3	5	6

10)

TTh	Th	H	T	U
8	8	8	8	8
-	5	9	0	9

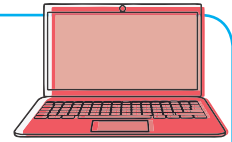
◆ Solve.

- 1) In an election total number of voting done was 45,503. Out of which 22,633 were men and the remaining were women. How many women did vote?



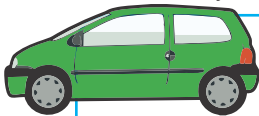
Blank space for solving question 1.

- 2) Manisha purchased a laptop for ₹ 35,600. She gave ₹ 36,000 to the shopkeeper. How much money was returned by the shopkeeper?



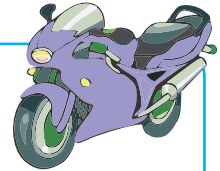
Blank space for solving question 2.

- 3) Rama travelled a distance of 15 km. Out of which they walked 538 metre and the remaining distance they covered with a four wheeler. Find out the distance travelled by the car?



Blank space for solving question 3.

- 4) Gaurav bought a bike for ₹ 90,500. He sold it for ₹ 75,300. For how much less amount did he sell the bike?



Blank space for solving question 4.

- 5) Joseph purchased a sofa for ₹ 56,500 and a T.V for ₹ 45,360. How much more money was spent on sofa than T.V.?

Blank space for solving question 5.

- 6) Sangita had an amount of ₹ 78,850. Out of which ₹ 65,200 was deposited in the bank. How much money was still left with her?

Blank space for solving question 6.





## 5. Let's Understand Multiplication



◆ Solve the following multiplication by lattice method.

1)  $54 \times 14$

×	50	4	$\begin{array}{r} 500 \\ + 200 \\ + 40 \\ + 16 \\ \hline 756 \end{array}$
10	500	40	
4	200	16	
$54 \times 14 = 756$			

2)  $65 \times 11$

×	60	5	
10			
1			

3)  $625 \times 5$

×				

4)  $801 \times 9$

×				

5)  $900 \times 15$

×				

6)  $782 \times 46$

×				

7)  $563 \times 13$

×				

8)  $635 \times 34$

×				

◆ Solve the following.

1)

	TTh	Th	H	T	U
×			2	0	5
				5	1
+			2	0	5
	1	0	2	5	0
	1	0	4	5	5

2)

	TTh	Th	H	T	U
×			4	6	0
				3	9

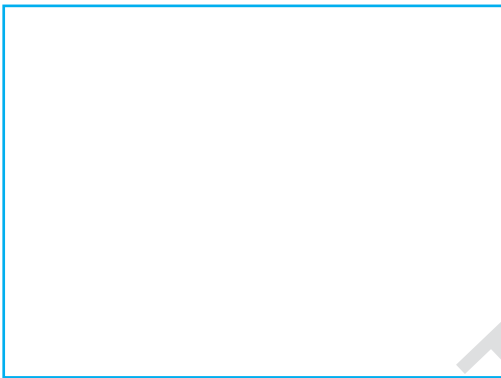
3) If the contribution from each child for the school picnic is ₹ 550 then what will be the amount collected for 40 children?

4) A school had to plan for water saving scheme where each child had to visit 21 houses, if 159 children did the survey then find the number of houses visited in all?

- ◆ Build a two digit number and a three digit number by using these digits 3, 4, 5, 6, 7 only once and then multiply them to get a product.

Two digit numbers :	
Three digit numbers :	

1)



2)

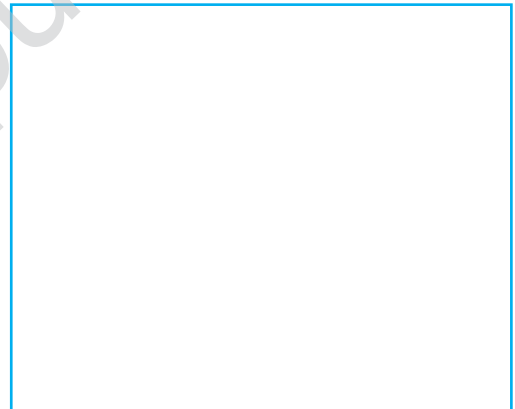


- ◆ Solve.

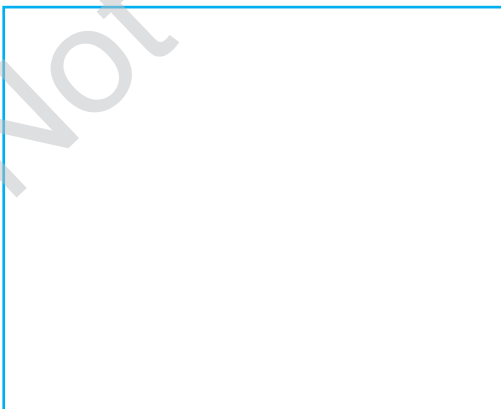
1)  $409 \times 65$



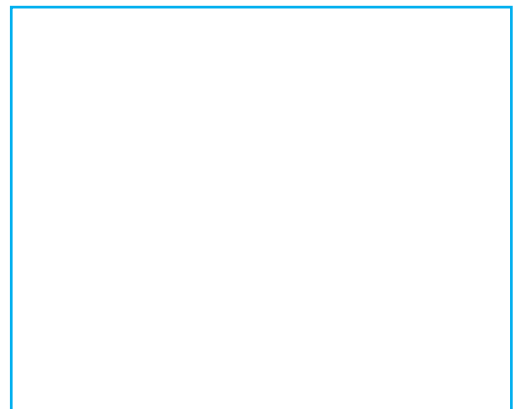
2)  $485 \times 30$



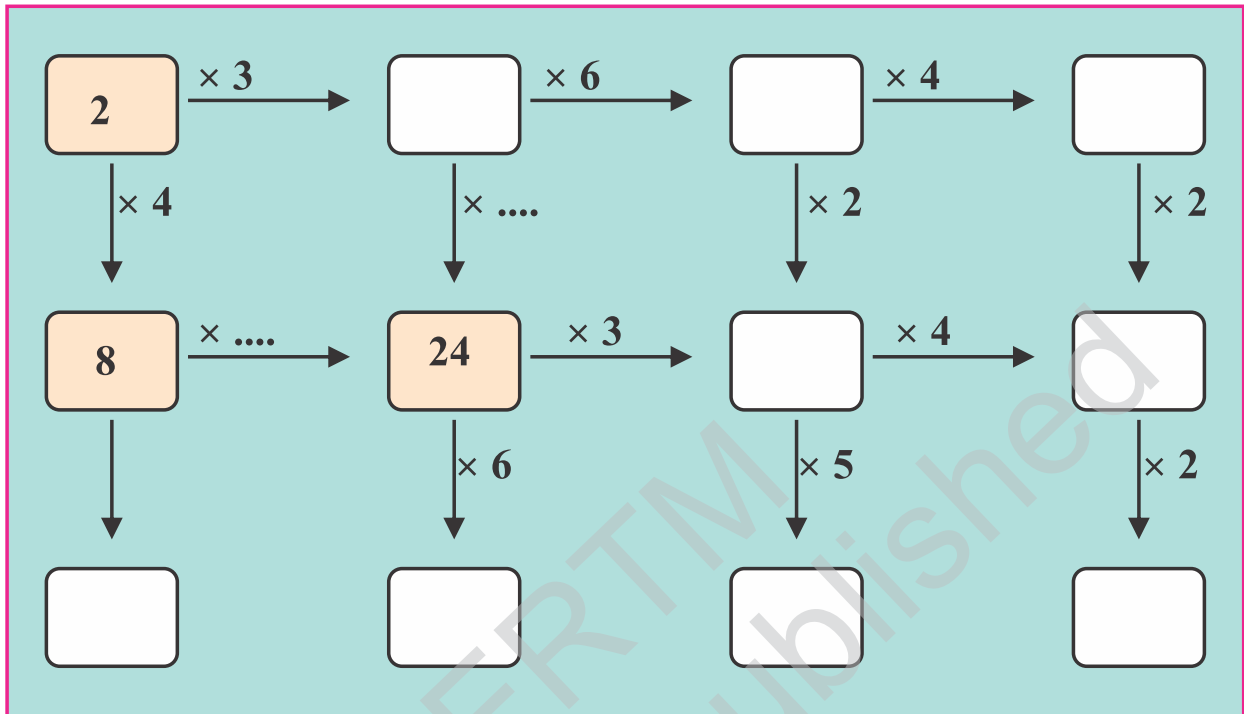
3)  $650 \times 50$



4)  $700 \times 88$



◆ Solve.



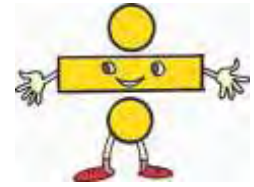
◆ Solve the following puzzle using the numbers 1 to 9, only once in the blank squares.

□	×	□	×	□	=	54
×		×		×		
□	×	□	×	□	=	120
×		×		×		
□	×	□	×	□	=	56
=		=		=		
96		180		21		

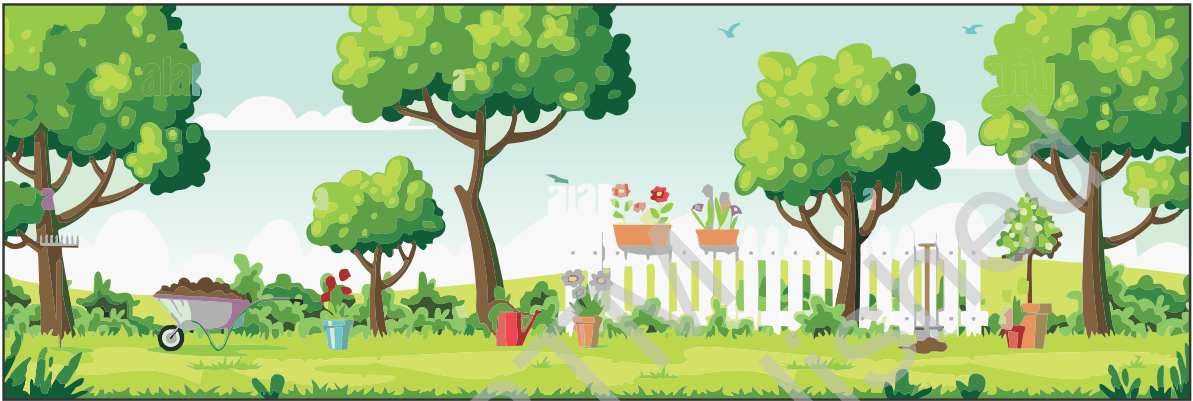


□□□

## 6. Let's Understand Division

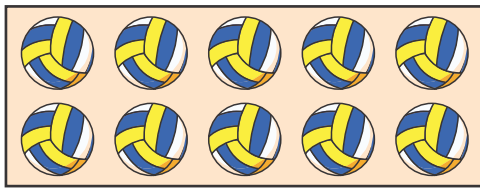


- ◆ Rajaram's uncle had a beautiful garden. He used to give some fruits to the children every time they had been to the garden. He told them to share it equally every time they visited. How many fruits did each one get and how many fruits are left after distribution?



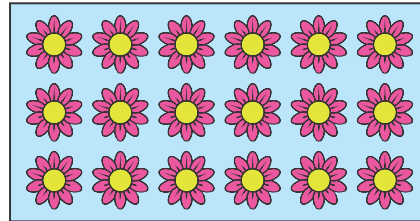
Fruits distributed	Number of friends	each friend got fruits	fruits left after distribution

◆ Make examples of division with the help of pictorial presentation.



$$10 \div 5 = \boxed{\phantom{00}}$$

$$10 \div \boxed{\phantom{00}} = 5$$



$$\dots \div \dots = \boxed{\phantom{00}}$$

$$\dots \div \dots = \boxed{\phantom{00}}$$

◆ Divide and find the remainder.

1) 27 balls to be distributed Equally among 4

How many in each part? =  $\boxed{6}$

amongst  $\boxed{4}$

Remaining balls after equal distribution =  $\boxed{3}$

$$\begin{array}{r} \boxed{6} \text{ ..... to each} \\ \hline \boxed{27} \text{ ..... in all} \\ - \boxed{24} \text{ ..... given} \\ \hline \boxed{03} \text{ ..... balls left} \end{array}$$

2) In a box there are 54 marbles. Each one gets 9 marbles

How many of them got marbles? =  $\boxed{\phantom{00}}$

amongst  $\boxed{\phantom{00}}$

Remaining marbles after equal distribution =  $\boxed{\phantom{00}}$

$$\begin{array}{r} \boxed{\phantom{00}} \text{ ..... to each} \\ \hline \boxed{\phantom{00}} \text{ ..... in all} \\ - \boxed{\phantom{00}} \text{ ..... given} \\ \hline \boxed{\phantom{00}} \text{ ..... marbles left} \end{array}$$

3) You have ₹ 72 which has to be shared equally among 8 friends.

How much money will each

friend get? =  $\boxed{\phantom{00}}$

Remaining amount if each friend gets equal money =  $\boxed{\phantom{00}}$

$$\begin{array}{r} \boxed{\phantom{00}} \text{ ..... to each} \\ \hline \boxed{\phantom{00}} \text{ ..... in all} \\ - \boxed{\phantom{00}} \text{ ..... given} \\ \hline \boxed{\phantom{00}} \text{ ..... remaining amount} \end{array}$$

Each friend will get  $\boxed{\phantom{00}}$

◆ Write dividend, divisor, quotient and remainder.

<p>1) <math>25 \div 5</math></p> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">divisor... <span style="border: 1px solid black; padding: 2px 5px;">5</span>)</div> <div style="margin-right: 10px;"> <math display="block">\begin{array}{r} \phantom{0}5 \\ \underline{25} \\ 00 \end{array}</math> </div> <div style="margin-right: 10px;">..... quotient</div> <div style="margin-right: 10px;">..... dividend</div> <div style="margin-right: 10px;">..... remainder</div> </div>	<p>2) <math>49 \div 7</math></p> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">divisor... <span style="border: 1px solid black; padding: 2px 5px;">  </span>)</div> <div style="margin-right: 10px;"> <math display="block">\begin{array}{r} \phantom{0} \\ \underline{\phantom{0} } \\ \phantom{0} \end{array}</math> </div> <div style="margin-right: 10px;">..... quotient</div> <div style="margin-right: 10px;">..... dividend</div> <div style="margin-right: 10px;">..... remainder</div> </div>
<p>3) <math>64 \div 5</math></p>	<p>4) <math>71 \div 8</math></p>
<p>5) <math>30 \div 3</math></p>	<p>6) <math>70 \div 7</math></p>

◆ Complete the following.

If a box can hold 6 mangoes, then how many boxes will be needed if 36 mangoes are there?

1. which information is given?	.....
2. what is asked?	.....
3. which operation to be used?	.....
4. how many boxes needed ?	

If 72 books are distributed among 9 children then how many will each child get?

1. which information is given?	.....
2. what is asked?	.....
3. which operation?	.....
4. how many children got the books?	



◆ Complete the table.

Dividend	Divisor	Quotient	Remainder
35	7	5	0
42	6		0
57	9		
84	8		
70		10	



◆ Write the correct numbers in the blank spaces.

1)

$$5 \times 8 = 40$$

$$40 \div \square = 5$$

$$40 \div \square = 8$$

2)

$$6 \times 9 = 54$$

$$54 \div 9 = \square$$

$$54 \div 6 = \square$$

3)

$$8 \times 7 = 56$$

$$56 \div \square = 8$$

$$56 \div \square = 7$$

4)

$$4 \times \square = 36$$

$$36 \div 4 = \square$$

$$36 \div 9 = \square$$

5)

$$\square \times \square = 30$$

$$30 \div 5 = \square$$

$$30 \div 6 = \square$$

6)

$$5 \times 1 = \square$$

$$5 \div \square = 1$$

$$\square \div 1 = 5$$

◆ The multiplication of two numbers is 72.

If one of them is 8 then find the other number.

◆ **Solve.**

1)  $60 \div 6$

2)  $40 \div 2$

3)  $80 \div 4$

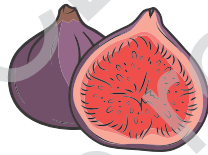
4)  $60 \div 2$

5)  $80 \div 8$

6)  $70 \div 7$

◆ **Solve the following examples.**

- 1) If 42 figs were distributed equally among 6 children then how many figs will each get?



- 2) In a hostel there are 27 beds and if 3 beds are arranged in one room. How many rooms are there?

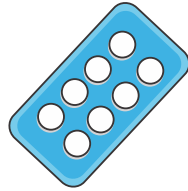


- 3) There are 46 jalebis, if 9 jalebis are there in a box. How many boxes are required to pack 46 jalebis? How many jalebis will left?



- 4) There are 36 children. How many rows will be formed if 9 children are there in a row?

5) If a packet has 8 tablets, then 66 tablets will be packed in how many packets and how many tablets will be left to be packed?



6) If the price of a pen is ₹ 5 then how many pens can be bought in ₹ 95?



◆ Mental Maths.

60	÷ 5 →		÷ 3 →	
÷ 2 ↓		÷ 2 ↓		÷ 2 ↓
	÷ 5 →		÷ 3 →	

72	÷ 4 →		÷ 2 →	
÷ 2 ↓		÷ 3 ↓		÷ 3 ↓
	÷ 6 →		÷ 2 →	

◆ Think and solve.

16	÷		=	4	÷		=	2
×		+		×		×		×
2	+		=		÷		=	
=		=		=		=		=
	-	8	=		÷		=	4
÷		÷		+		-		×
4	×		=		-		=	
=		=		=		=		=
	×		=	32	÷		=	16



## 7. Money and it's application in real life


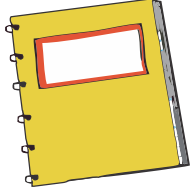
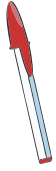


◆ Write the correct numbers in the blank space.

Denominations of Notes	Amount
1 note of ₹ 2,000	₹ .....
4 notes of ₹ 500	₹ .....
6 notes of ₹ 200	₹ .....
3 notes of ₹ 100	₹ .....
5 notes of ₹ 50	₹ .....
<b>Total</b>	₹ .....

◆ Show different combinations that give us an amount of ₹ 20.



◆ Make a bill for the things purchased.

				
₹ 5	₹ 20	₹ 7	₹ 45	₹ 315

**STATIONERY STORES**

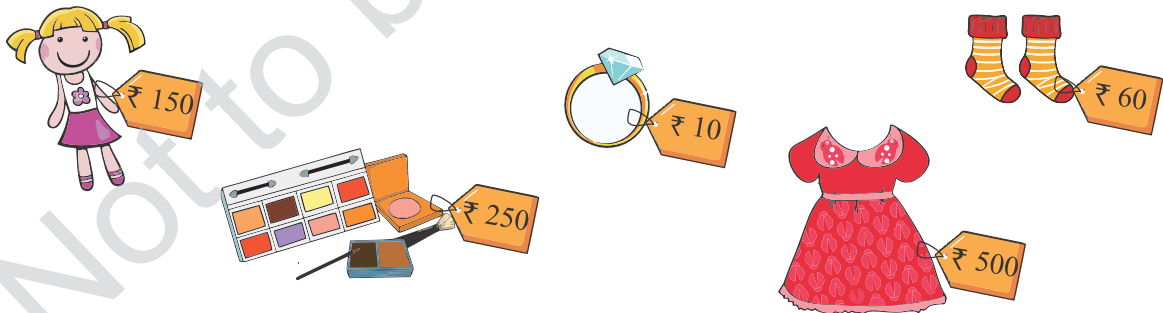
Name : .....

Units	Price (₹) Per Object	Quantity	Amount
Pencils	5	5	25
Notebooks	.....	12	.....
Pen	.....	6	.....
Books	.....	5	.....
School Bag	.....	2	.....
Total	.....		

**Bill to be paid** .....

Goods once sold will not be taken back. Sign.  
Check the goods.

◆ Shabana has ₹ 1,000. How many items can she buy from the given amount?



Eg: 2 colour plates = ₹ 500

1 dress = ₹ 500

.....	.....
.....	.....
.....	.....

- ◆ Sanjana, Abir and Meenu bought the same type of compass for ₹ 135. Fill in the blanks.



..... notes of ₹ 100  
 ..... notes of ₹ 20  
 ..... notes of ₹ 5

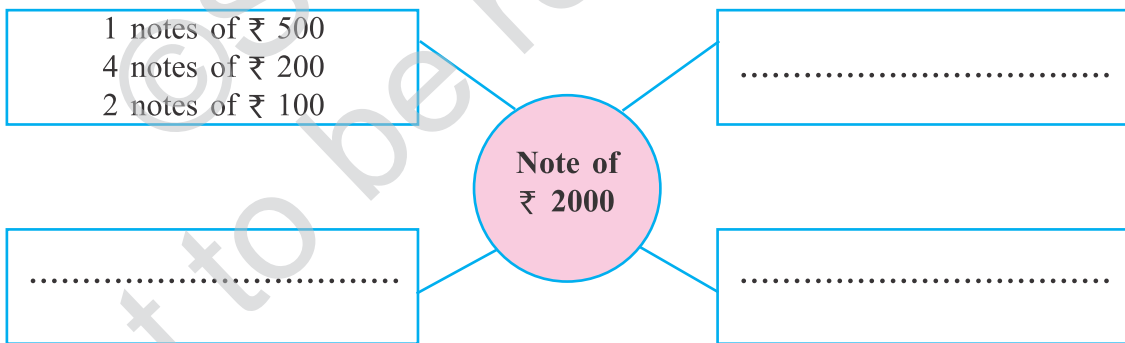


..... notes of ₹ 50  
 ..... notes of ₹ 20  
 ..... notes of ₹ 5



..... notes of ₹ 20  
 ..... notes of ₹ 10  
 ..... notes of ₹ 5


- ◆ Ajay had ₹ 2,000. He took change from the shopkeeper. How many ways was it possible for the shopkeeper to pay him?



- ◆ Mental Maths.


Children	Amount	Number of notes	Denomination notes
Prajakta	500	16	
Prithviraj	500	9	

◆ Write the correct number in the blank box.

1)  5 notes of ₹ 20  
2 notes of ₹ 50


The value of a ₹ 100 note is five times the value of ₹ 20.

The value of a ₹ 100 note is twice the value of ₹ 50

2)  25 notes of ₹ 20  
10 notes of ₹ 50

The value of a ₹ 500 note is ..... times the value of ₹ 20.

The value of a ₹ 500 note is ..... times the value of ₹ 50

3)  ₹ 500 + ₹ 500 + ₹ 500 + ₹ 500  
₹ 200 + ₹ 200 + ₹ 200 + ₹ 200 + ₹ 200  
₹ 200 + ₹ 200 + ₹ 200 + ₹ 200 + ₹ 200

The value of a ₹ 2,000 note is ..... times the value of ₹ 500.

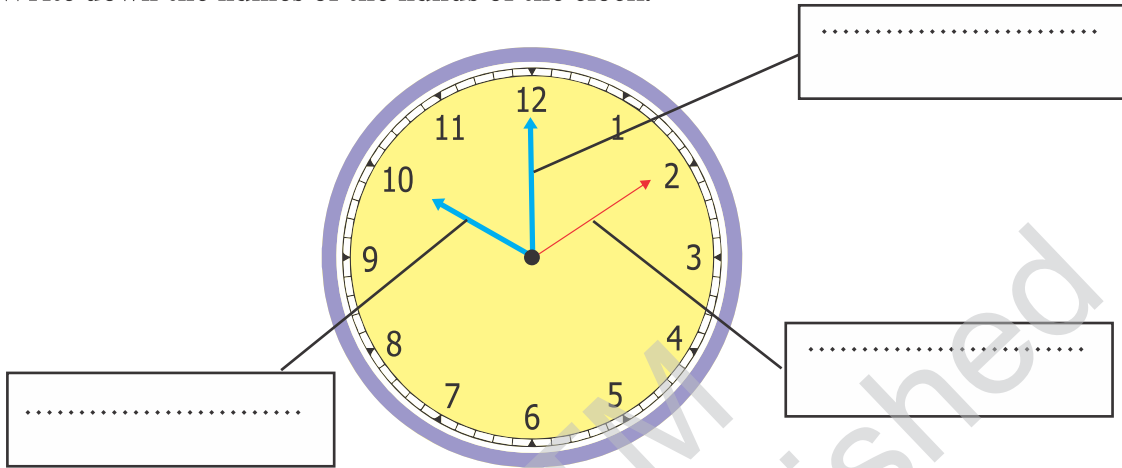
The value of a ₹ 2,000 note is ..... times the value of ₹ 200.

□□□



## 8. Measuring Time

◆ Write down the names of the hands of the clock.



◆ Complete the given table.

No.	Hour hand	Minute hand	Time in hours	Time in minutes
1)	Between 2 and 3	At 4	2 hours	20 minutes
2)	Between 4 and 5	At 7		
3)	Between 12 and 1	At 2		
4)	Between 10 and 11	At 8		
5)	Between 1 and 2	At 11		

◆ Complete the given table.

No.	Time in hours	Time in minutes	Hour hand	Minute hand
1)	1 hour	10 minutes	Between 1 and 2	At 2
2)	7 hours	50 minutes		
3)	11 hours	35 minutes		
4)	3 hours	20 minutes		
5)	6 hours	5 minutes		

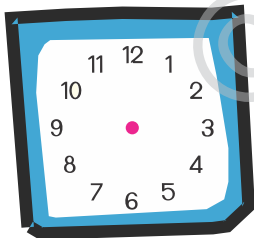
◆ Complete the table.

No.	Hour hand	Minute hand	Time in hours	Time in minutes	Reading the time
1)	Between 2 and 3	At 3	2 hours	15 minutes	15 minutes past 2
2)	Between 4 and 5	At 6			
3)	Between 12 and 1	At 9			
4)	Between 10 and 11	At 3			
5)	Between 1 and 2	At 9			

◆ Complete the table.

No.	Reading the time	Hour hand	Minute hand	Time in hours	Time in minutes
1)	30 minutes past 3	Between 3 and 4	At 6	3 hours	30 minutes
2)	15 minutes to 9				
3)	15 minutes past 3				
4)	30 minutes past 6				
5)	15 minutes to 10				

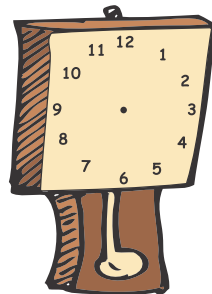
◆ Show the given time in clocks.



4 : 55



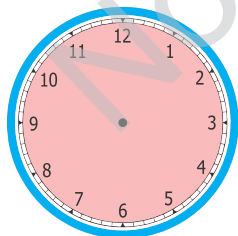
11 : 40



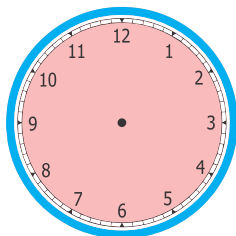
7 : 10



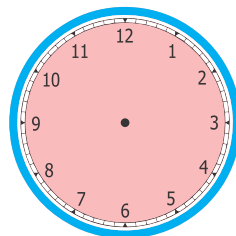
12



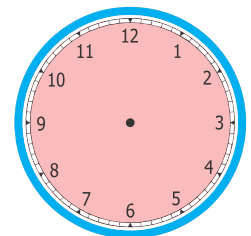
15 minutes past 4



30 minutes past 2



15 minutes to 2



15 minutes to 12

## Calendar

◆ Answer the given questions by observing calendar.

FEBRUARY 2020 CALENDAR					
S Sunday		2	9	16	23
M Monday		3	10	17	24
T Tuesday		4	11	18	25
W Wednesday		5	12	19	26
T Thursday		6	13	20	27
F Friday		7	14	21	28
S Saturday	1	8	15	22	29

FEBRUARY 2021 CALENDAR					
S Sunday		7	14	21	28
M Monday	1	8	15	22	
T Tuesday	2	9	16	23	
W Wednesday	3	10	17	24	
T Thursday	4	11	18	25	
F Friday	5	12	19	26	
S Saturday	6	13	20	27	

Observe the month of February 2020 and 2021 and answer the following questions.

- 1) In which year the total number of days of February is more?
- 2) Which day is seen the maximum times in the month of February 2020?
- 3) How many times is the same day seen in the month of February 2021?
- 4) What is the difference between the number of dates of the same days?
- 5) Write the dates of all Saturday's of February 2020.
- 6) Count the number of days of activities arranged from 16<sup>th</sup> February 2020 to 29<sup>th</sup> February 2020.
- 7) From the given years which is a leap year?

◆ **Observe present year calendar and answer the given questions**

- 1) If we have our school picnic from 26<sup>th</sup> November to 3<sup>rd</sup> December, then write down the number of days of picnic.
- 2) If the school carried out the activity of Swacch Bharat Abhiyan from 2<sup>nd</sup> October to 15<sup>th</sup> October, then write down the total number of days of the activity.
- 3) Write down the dates of Thursdays which fall in the month of June.
- 4) On 9<sup>th</sup> May its Monday, which other dates come on Monday of the same month?
- 5) After how many days Independence day is celebrated later than Republic day?
- 6) What is the difference between two consecutive Thursdays?
- 7) Write down the names of your family members who celebrate their birthdays, in the box of date.

◆ **By looking at the strip of the calendar year answer the following questions.**

- 1) Fill in blanks with years of the given strip of the calendar.

	2012		2014		2016	2017		2019		2021
--	------	--	------	--	------	------	--	------	--	------

- 2) Encircle the year of your birthday.
- 3) When did you celebrate your 5<sup>th</sup> birthday?
- 4) What will be your age in the year 2021?
- 5) When will you celebrate your 10<sup>th</sup> birthday?

◆ **Match the following.**

1 minute	1 hour	1 week	1 day
168 hours	1440 minutes	60 seconds	3600 seconds



## 9. Word problems

◆ In a library there were 3,568 story books and 1,245 books were the collection of poems. How many library books were there in all?

- 1) Which information is given? .....
- .....
- 2) What is asked? .....
- .....
- 3) Which operation will be used? .....
- Total number of books .....

Th	H	T	U

◆ In a godown there were 23,746 sacks of wheat grain and 12,891 sacks of rice. How many sacks of grains in all?

- 1) Which information is given? .....
- .....
- 2) What is asked? .....
- .....
- 3) Which operation will be used? .....
- Total sacks of grain .....

TTh	Th	H	T	U

◆ In brick production out of 32,400 bricks 17,850 bricks were made. How many bricks are to be still made?

- 1) Which information is given? .....
- .....
- 2) What is asked? .....
- .....
- 3) Which operation will be used? .....
- Total bricks are to be still made .....

TTh	Th	H	T	U

◆ If father purchased a mobile for ₹ 14,549 and he gave ₹ 15,000 to the shopkeeper. What was the change received from the shopkeeper?

1) Which information is given?.....

.....

2) What is asked ?

.....

.....

3) Which operation will be used? .....

TTh	Th	H	T	U

◆ In a district there are 7,682 patients of corona. Out of which today 1,439 patients recovered and 235 new patients had enrolled their names. Find the total number of covid patients.

◆ In a city there are 2,789 men and 3,987 women. Out of which 4,879 have taken covid vaccination. Find the number of people who didn't get covid vaccination.

- ◇ Vedant's mother gave ₹ 18,750 to him. Out of which ₹ 12,800 was the school fee and ₹ 5,000 is the picnic contribution. How much money did he return to his mother?
- ◇ In a one act play theatre ₹ 50,000 was the approximate money to be spent. Actually ₹ 38,000 was spent as a gift voucher and expenses on stage were ₹ 11,500. Find out the difference in approximate amount and actual amount spent.
- ◇ In a college 35,736 boys and 40,599 girls were taking education. Out of which 13,599 girls and boys leave their college for further education. What is the number of students who are still getting educated?

- ◆ **Frame a word problem on addition and solve.**

Ganore village population is 16,907 and Sawargaon village population is 14,098

- ◆ **Frame a word problem on subtraction and solve.**

In a jungle there are 18,120 trees of sandalwood and neem trees are 9,345

- ◆ **Frame a word problem on addition and subtraction and then solve.**

Men 30,105 Women 29,999 and literate men-women 43,543



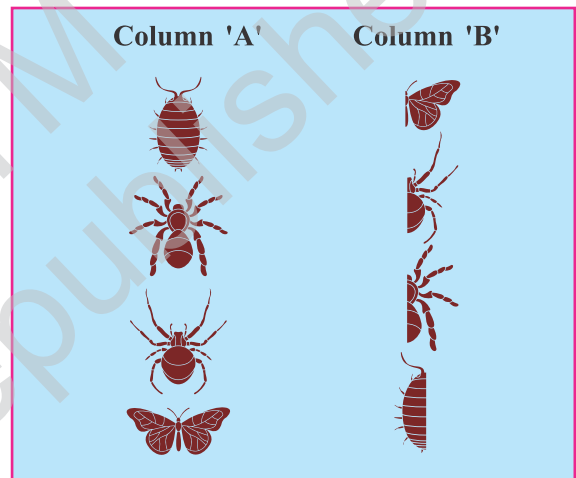
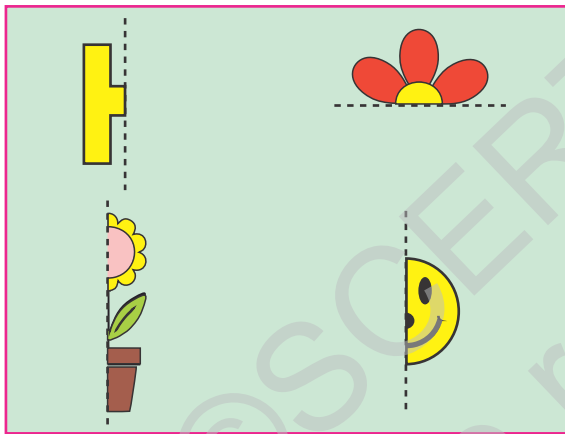
## 10. Fractions

◆ Understanding and revising half ( $\frac{1}{2}$ )

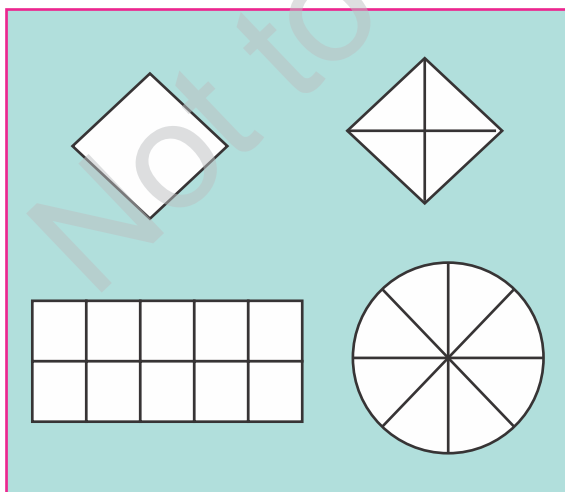


Dividing anything in two equal parts and taking one part out of that means that is half of that thing.

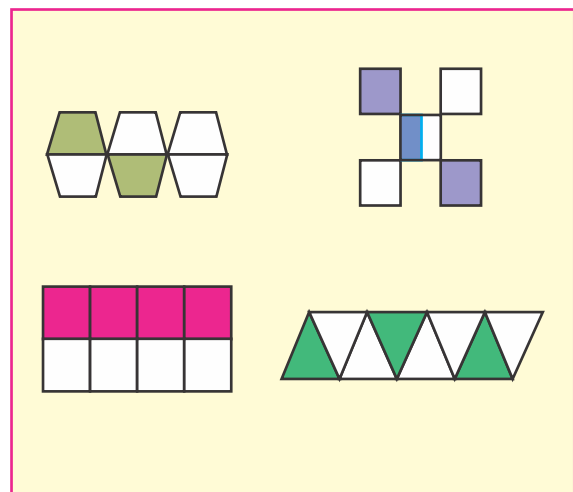
- 1) Draw the remaining half of each picture and complete it.      2) Find half of a picture in column A and join them.



- 3) Colour  $\frac{1}{2}$  of the following shapes.



- 4) Put a tick (✓) on the shapes that are  $\frac{1}{2}$  coloured.

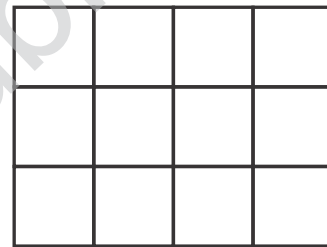
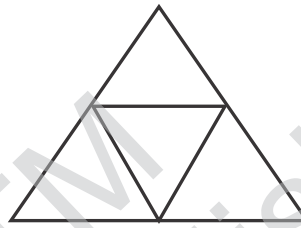
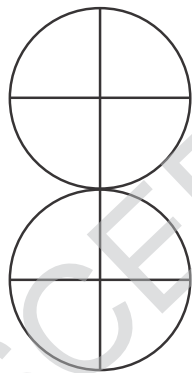


◆ Understanding and revising one fourth ( $\frac{1}{4}$ ).

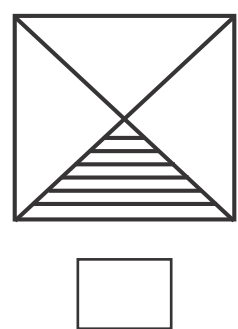
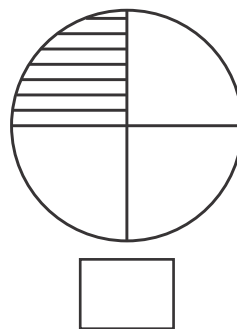
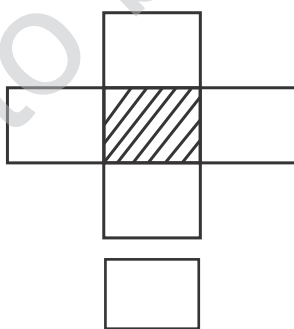
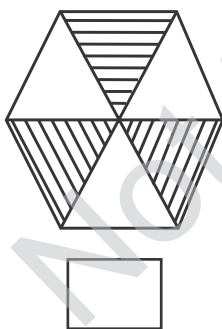


Dividing anything in four equal parts and taking one part out of that means it is one fourth of that thing. One fourth of a whole is written as  $\frac{1}{4}$

1) Colour  $\frac{1}{4}$  of the following shapes.



2) Put a tick in the box below the shape that shows  $\frac{1}{4}$  coloured part.



◆ Understanding and revising three fourth ( $\frac{3}{4}$ ).

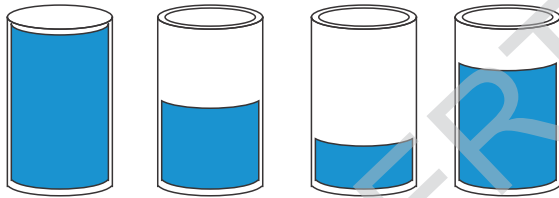


Dividing anything in four equal parts and taking three parts out of that means it is three fourth of that thing. Three fourth of a whole is written as  $\frac{3}{4}$

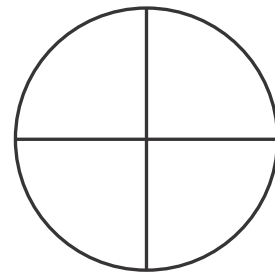
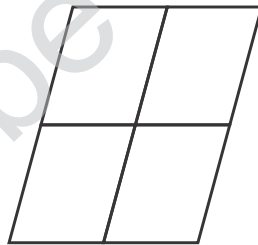
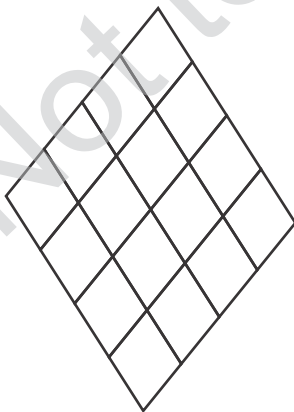
- 1) Out of four equal parts of the shape colour three parts with your favorite colour.



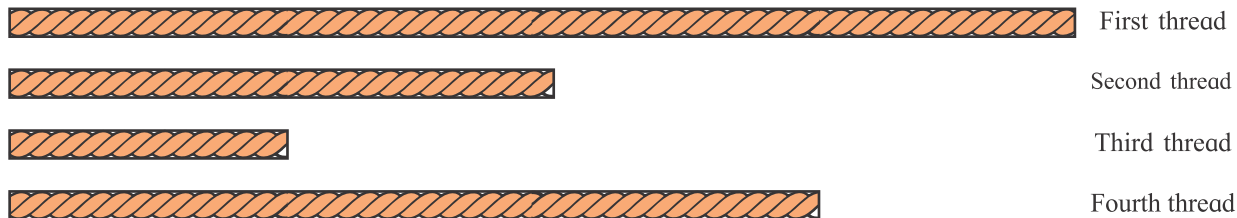
- 2) Put a tick (✓) below the glass that shows  $\frac{3}{4}$  (three fourth) filled.



- 3) Colour  $\frac{3}{4}$  (three fourth) of the following shapes.



4) Observe the thread and its pieces and complete the activity.



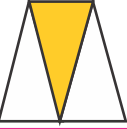
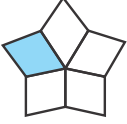

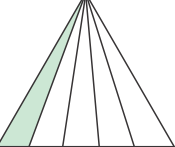
- Length of second thread is  $\frac{1}{2}$  of first thread.
- Length of ..... thread is  $\frac{1}{2}$  of second thread.
- Length of third thread is  $\frac{1}{4}$  of ..... thread.
- Length of ..... thread is  $\frac{3}{4}$  of first thread.
- If length of first thread is 6 meters, then the length of second thread is ..... m.

5) Observe the picture given below and make pairs.

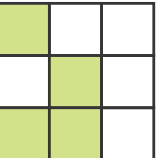


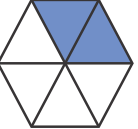
The diagram shows four horizontal bars, each with a boy running on it. The bars are divided into equal segments by vertical tick marks. To the right of each bar is a box containing a fraction:

- Bar 1: The boy is in the first segment. Box: **Half**
- Bar 2: The boy is in the second segment. Box: **One fourth**
- Bar 3: The boy is in the third segment. Box: **Whole**
- Bar 4: The boy is in the fourth segment. Box: **three fourth**

◆ Write the fraction for coloured and uncoloured parts.

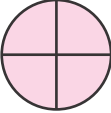
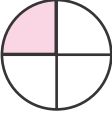
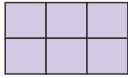
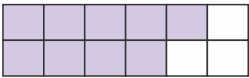








Shape	Fraction for coloured part	Fraction in words	Fraction for uncoloured part	Fraction in words
				
				
				
				

◆ Complete the table.


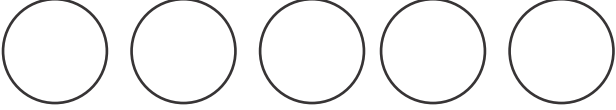


Picture form	Coloured fraction	Fraction in words	In form of sum	Number of times	In multiplication form	In form of times
	$\frac{4}{9}$	Four parts out of 9	$\frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$	4 times $\frac{1}{9}$	$4 \times \frac{1}{9}$	4 times of $\frac{1}{9}$
						
						
						

## Mixed number

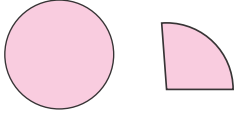
◆ Understand and complete the chart.

$\frac{5}{4}$			$1\frac{1}{4}$		
□			□		
□					□
$\frac{15}{8}$			□		
□			$1\frac{3}{8}$		

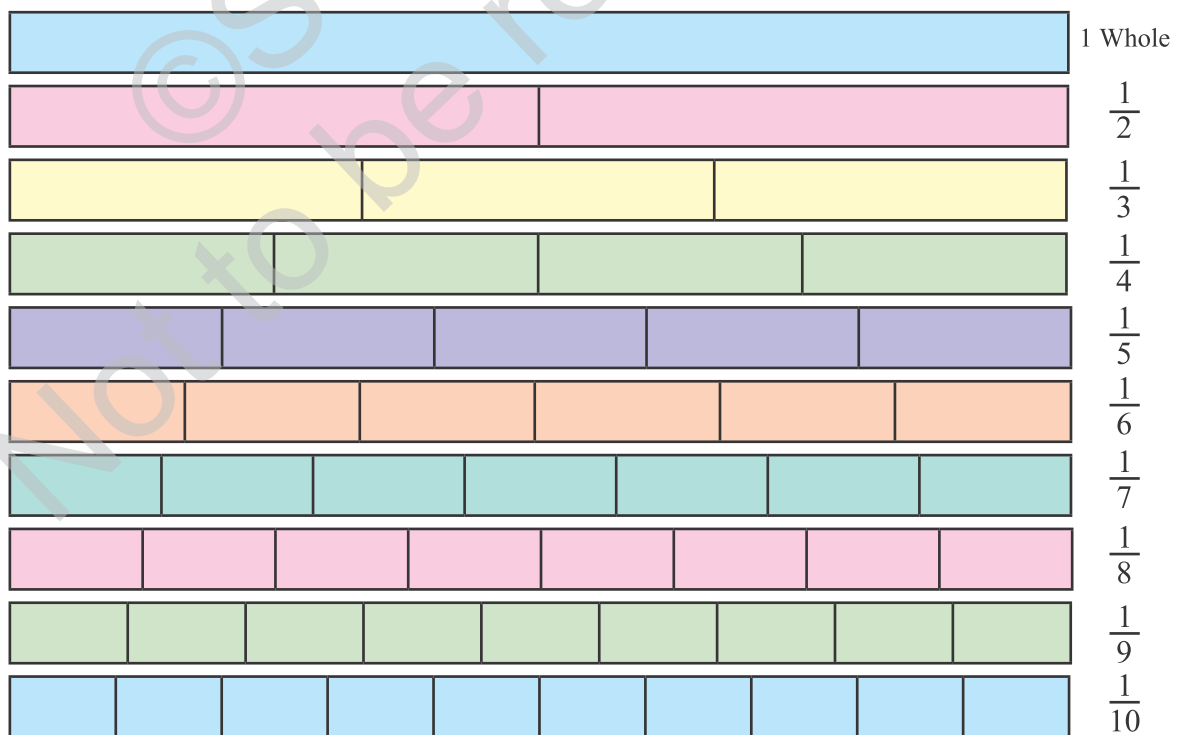
◆ Colour the shapes to show the given fraction.



Three and a half	
Four and a quarter	
Two and three fourth	
Two and a half	

◆ Complete the following table.


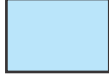
Reading of fraction	Shape	Meaning	Written using numerals
One and a quarter		One whole and a quarter	$1 \frac{1}{4}$
One and a half			$1 \frac{1}{2}$
One and three fourth			
			$3 \frac{1}{2}$
			$2 \frac{1}{4}$
Three and three fourth			

◆ Observe and understand the fraction strips and fill in the blank with small, big or equal to.





  $\frac{1}{2}$         $\frac{1}{5}$

Fraction  $\frac{1}{5}$  is ..... than  $\frac{1}{2}$

  $\frac{1}{6}$         $\frac{1}{10}$

Fraction  $\frac{1}{6}$  is ..... than  $\frac{1}{10}$

  $\frac{1}{7}$         $\frac{1}{7}$

Fraction  $\frac{1}{7}$  and  $\frac{1}{7}$  are .....



- Observe the pairs of fractions. Based on fraction strips fill in the boxes with correct sign  $>$ ,  $<$ ,  $=$

1)  $\frac{1}{6}$    $\frac{1}{8}$

2)  $\frac{1}{5}$    $\frac{1}{4}$

3)  $\frac{1}{9}$    $\frac{1}{7}$

4)  $\frac{1}{7}$    $\frac{1}{3}$

5)  $\frac{1}{6}$    $\frac{1}{7}$

6)  $\frac{1}{8}$    $\frac{1}{8}$

- Take any fraction and write one fraction greater than and less than the selected fraction.

Selected fraction :

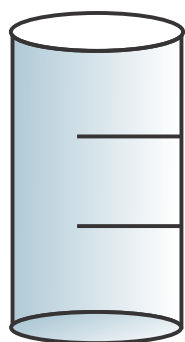
Greater than selected fraction :

Smaller than selected fraction :



◆ **Let's measure rainfall.**

- Suraj and Niraj took same size vessel to measure the rainfall. They made markings on it at equal distance. Suraj's vessel is filled up to  $\frac{2}{3}$  mark and Niraj's vessel is filled up to  $\frac{4}{6}$  mark.
  - Show  $\frac{2}{3}$  water in Suraj's vessel.
  - Show  $\frac{4}{6}$  water in Niraj's vessel
  - Tell whether both have them have measured the same quantity of rainfall. YES/NO



Suraj's vessel



Niraj's vessel

- Saurabh stopped playing Kabbadi as he got tired. He drank  $\frac{1}{4}$  liter water and  $\frac{1}{3}$  liter juice. Did Saurabh drink more water or juice? Put a tick in correct box.
- Anagha says fraction  $\frac{1}{10}$  is greater than  $\frac{1}{5}$  as number 10 is greater than number 5. Is Anagha's answer correct or not? Show by drawing figure.

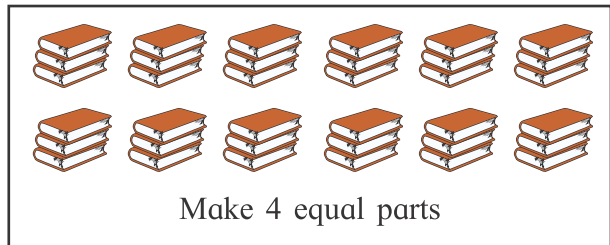
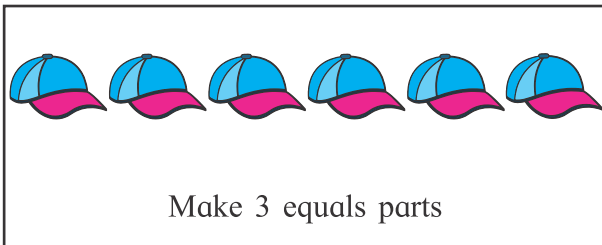
$$\frac{1}{4}$$

$$\frac{1}{3}$$

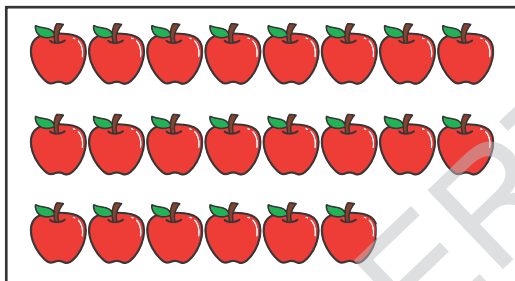
Saurabh drank more water/juice.

◆ **Fraction of collection.**

- Make equal parts as per the given instructions.



- Divide the collection of apples in half and write the number of apples that make half in the box.




- Write the number of ice-creams in half, quarter and three-quarter parts of the collection.



Ice-creams in quarter part .....

Ice-creams in half part .....

Ice-creams in three - quarter part .....

- **Think and write.**

- 1) Half of 10 :
- 2) What is  $\frac{1}{2}$  of 22?
- 3) 13 is half of  number
- 4) Bunty collected 10 rupees. This amount is half of the amount collected by Chintu. How much amount did Chintu collect?
- 5) What is quarter of 8?
- 6) What is  $\frac{1}{4}$  of 12?
- 7) Number 5 is quarter of which number?



- From the given collection, circle the parts as the given fraction.

Fraction	Collection	Total number of things
$\frac{2}{4}$		8
$\frac{2}{3}$		
$\frac{3}{4}$		

- Anil had 12 pens. Out of them  $\frac{1}{2}$  were spoiled, so how many were spoiled?
- There are 40 children in a class. Out of them  $\frac{1}{4}$  went for sports event, so how many students went for the event?
- Komal has 20 rupees. She spent  $\frac{1}{4}$  of it. Bela has 16 rupees. She spent  $\frac{1}{4}$  of it. Who spent more money?

➤ Amount Komal has : ..... rupees

➤ Amount spent by Komal :  $\frac{1}{4}$  of 20 = ..... rupees

➤ Amount Bela has : ..... rupees


➤ Amount spent by Bela :  $\frac{1}{4}$  of 16 = ..... rupees

Means ..... spent more money than .....




# 11. Measurement

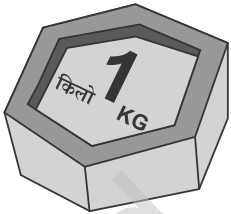
◆ Match the following.




Length

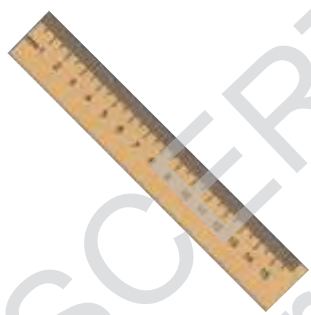



Capacity




Measurement of Weight








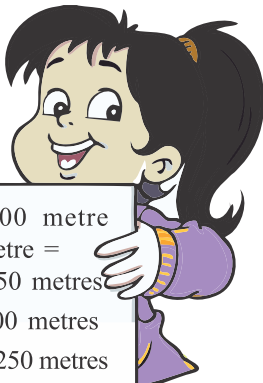


## Measurement of Length

◆ I know this.



1 centimetre = 10 millimetres  
1 metre = 100 centimetres



1 kilometer = 1000 metre  
three quarter kilometre = 750 metres  
Half kilometre = 500 metres  
Quarter kilometre = 250 metres

◆ Which unit is convenient to be used for measuring the length (mm, cm, m, km)

- |                                       |                                 |
|---------------------------------------|---------------------------------|
| ◆ Distance between two cities - ..... | ◆ Length of black board - ..... |
| ◆ Height of a person - .....          | ◆ Length of eraser - .....      |

◆ Measure the length of the following objects with the help of ruler and write it.

Object	Length	
	cm	mm
Book		
Pen		
Slate		
Notebook		
Sketch pen		

◆ Put a tick on longest length.

- 1) 

Three-quarter metre	Half metre	Quarter metre
---------------------	------------	---------------

2) 

500 cm	1 km	30 m
--------	------	------
- 3) 

43 m	57 m	700 cm
------	------	--------

4) 

7.5 m	three and a quarter metre	4 km
-------	---------------------------	------

◆ Match the following.

Column 'A'	Column 'B'
750 m	half km
50 cm	1 km
500 m	quarter metre
1000 m	one and quarter metre
25 cm	half metre
	Three quarter km

◆ Solve.

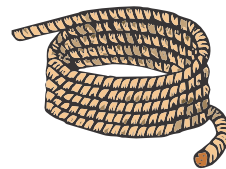
- a)  $152 \text{ mm} + 28 \text{ mm} = \dots\dots\dots \text{ mm} = \dots\dots\dots \text{ cm}$
- b)  $560 \text{ cm} + 600 \text{ cm} = \dots\dots\dots \text{ cm} = \dots\dots\dots \text{ m} \dots\dots\dots \text{ cm}$
- c)  $720 \text{ cm} + 830 \text{ cm} = \dots\dots\dots \text{ cm} = \dots\dots\dots \text{ m} \dots\dots\dots \text{ cm}$
- d)  $4080 \text{ m} + 320 \text{ m} = \dots\dots\dots \text{ m} = \dots\dots\dots \text{ km} \dots\dots\dots \text{ m}$

◆ Solve.

- 1) How many metres distance will a bus travelling at a speed of 40 km per hour cover in 2 hours?



- 2) If a rope 60 metres long is cut in to 4 equal pieces, then, what will be the length of each piece?

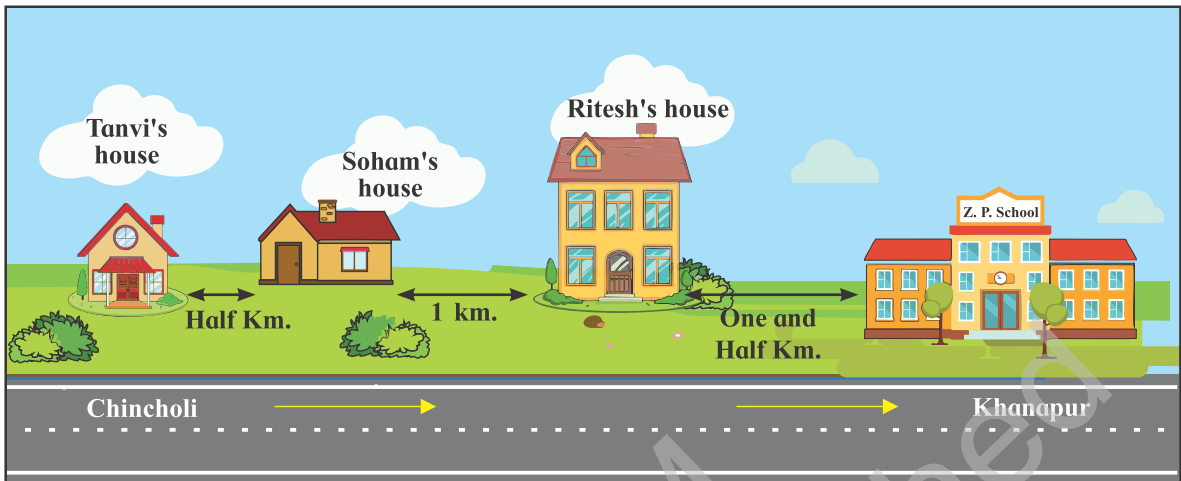


- 3) Rishabh jogs 1000 metres each day. How many kilometres does he cover in a week?

- 4) If Neem trees are to be planted alongside a road at a distance of 20 metre, then how many neem trees are planted along 200 metre of road?



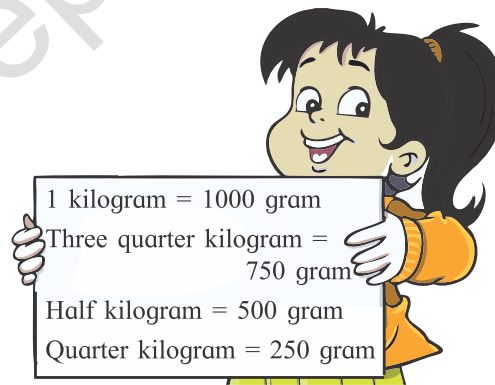
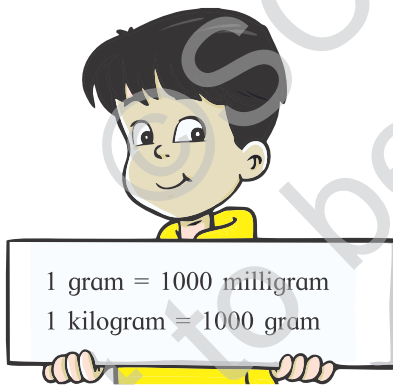
◆ Observe and solve the following example.



- ◆ What is the distance between Ritesh's and Soham's house?  km
- How many meters far does Soham stay from Tanvi's house?  m
- ◆ What is the distance between Tanvi's house and school?  km

**Measurement of Weight**

◆ I know this.



◆ Write the names of the things measured in the following units.

In grams	In kilograms	In quintals
<p>.....</p> <p>.....</p> <p>.....</p>	<p>.....</p> <p>.....</p> <p>.....</p>	<p>.....</p> <p>.....</p> <p>.....</p>

- ◆ Uncle has bought the following grocery in a bag. What is the total weight of the grocery in the bag?

Thing		Kilo	Gram
Rice	4 kg	4	000
Sugar	3 kg		
Poha	1 kg 500 g		
Tea powder	250 g		
Spice	100 g		
Fennel seeds	100 g		
<b>Total</b>			

- ◆ Write the correct number in the box.

- 1) 5 kg =  gram
- 2)  kg = 500 gram
- 3) one and a half kg =  gram
- 4) 12 kg =  gram
- 5) one and a quarter kg =  gram
- 6)  kg =  gram

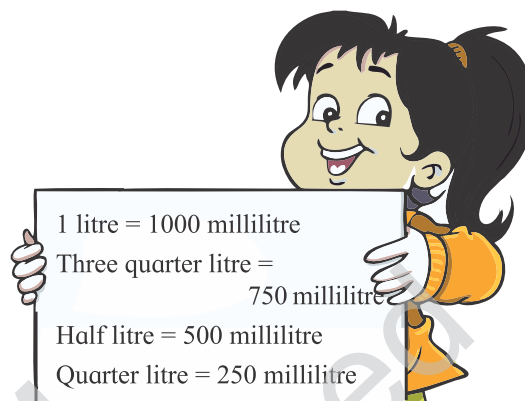
- ◆ Word problems.

- 1) If out of four and a half kilogram of sugar 2 kg is used to make Diwali sweets then, how much sugar is left?
- 2) From the market mother got half kilogram brinjals, quarter kg beans and quarter kg cabbage. What is total weight of the vegetables she bought?



## Capacity

### ◆ I know this.



### ◆ Observe the things around you and complete the table.

Sr. No.	Packet/ Bottle/ Can	Capacity (litre/millilitre)
1)	Milk packet	500 ml
2)	Oil packet	
3)	Water bottle	
4)	Coconut oil bottle	
5)	Sanitizer bottle	
6)	Medicine bottle	
7)	Handwash bottle	
8)	Water tank	
9)	Eye drop	

### ◆ Read the following conversation carefully and try to understand the relation between litre and millilitre.

Mother : Raju, I have prepared one litre lemonade. Distribute this equally in glasses amongst the five family members and tell me how much will each person get?

Raju : Mother, each person will get one glass.

Mother : Correct! Raju, do you know that liquids less than one litre are measured using millilitre unit.

See this 200 ml measure, using this measure the quantity of lemonade in each glass.

**(Raju does the activity)**

Raju : Mother each glass has 200 ml of lemonade.

Now I have understood, 1 litre = 200 ml + 200 ml + 200 ml + 200 ml + 200 ml = 1000 ml

Means 1 litre = 1000 ml

Mother : Very good Raju! Now tell me.

1) Quarter litre =  ml

2) Half litre =  ml

3) Three quarter litre =  ml

4) Two and three-quarter litre =  ml

Mother : Raju, observe the markings on the measuring cap of the medicine bottle carefully and check what do you see?

Raju : The measuring cap shows 5 ml and 10 ml marks.

◆ **To fill a two litre oil can how many times will you have to take each measure.**

Measure	500 ml	200 ml	100 ml	50 ml	10 ml
					
Number of times					

- ◆ Make a list of the things that we measure in both litres and kilogram.

.....

.....

- ◆ Write down the approximate quantity of water needed by you for day-to-day activities. (Compare the quantity of water used in your and your friend's house)

Activity	Water used (bucket/pot)	Water used In litres	Water used In millilitres
To have bath	1 bucket	12	12,000
To drink			
To wash clothes			
To wash utensils			
To cook			
To water plants			
Total			

- ◆ Write the correct number in the box.

1) 5 lit =  ml

2)  lit = 500 ml

3) one and a half litre =  ml

4)  lit = 3500 ml

5) one and a quarter litre =  ml

6)  lit =  ml

◆ Help Kiran to fill the 1 litre bottle using the following measures.

Eg.  $100 \text{ ml} + 200 \text{ ml} + 100 \text{ ml} + 500 \text{ ml} + 100 \text{ ml}$

Diagram showing a 1 litre bottle in the center with several empty boxes around it for filling measures. The boxes are arranged as follows:

- Top left:  $\square + \square + \square$
- Top right:  $\square + \square + \square$
- Middle left:  $\square + \square$
- Middle right:  $\square + \square$
- Bottom left:  $\square + \square + \square$
- Bottom right:  $\square + \square + \square$
- Bottom center:  $\square + \square + \square$

The bottle is labeled "1 litre".

◆ Solve the following examples.

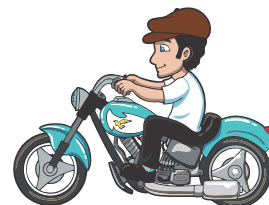
1) Doctor has advised Samina to take 5 ml medicine, 2 times a day for 5 days. How many millilitres of medicine did Samina take in 5 days?

2) Mother needs one and a half liter of petrol in her vehicle to travel to and fro from office everyday. How many litres of petrol does mother require for 3 days?



3) In a milk tray there are 24 milk packets of 500 ml each. How many litres of milk is there in the tray?

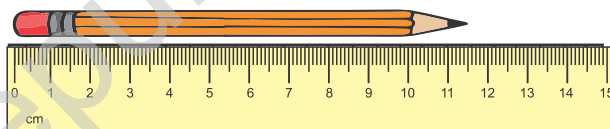
4) Father's bike covers 50 kilometres distance in 1 litre of petrol. He has to travel to a place that is 125 kilometres away. How many litres of petrol will he need?



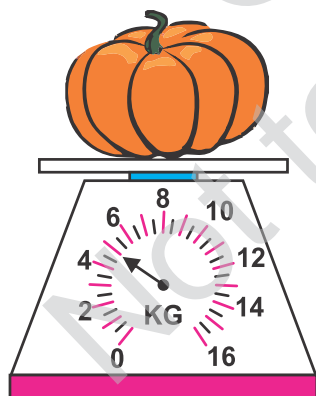
◆ Measure and write.



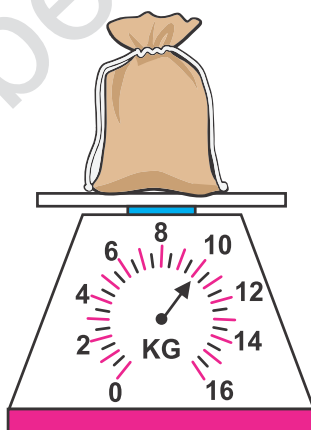
Length is



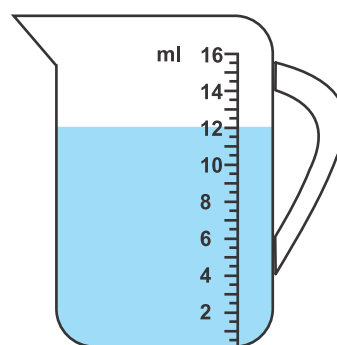
Length is



Weight is



Weight is

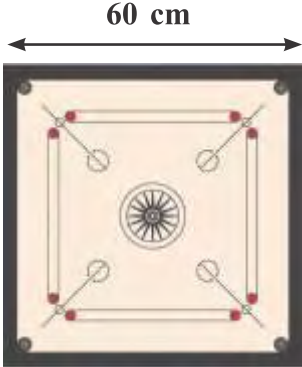
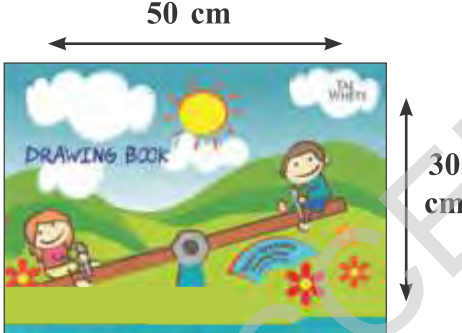


Capacity is

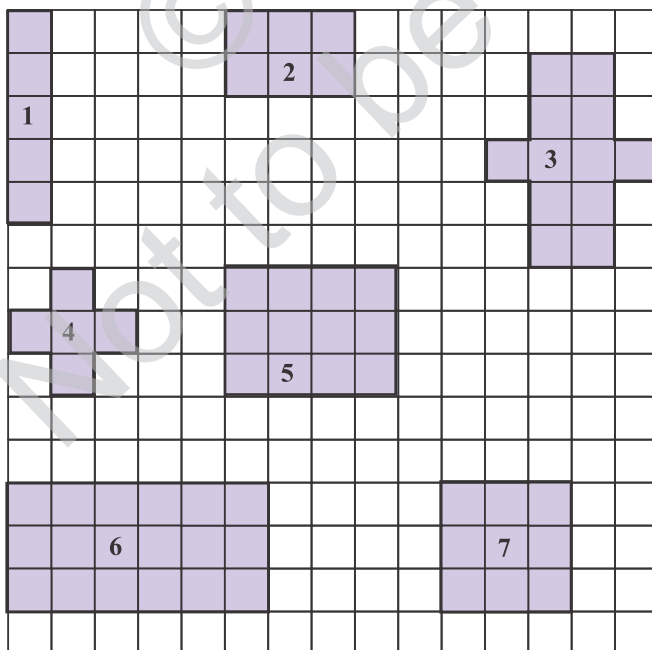


## 12. Perimetre and Area

◆ Find the perimetre.

	<p>Length of one side of carrom board = <input style="width: 30px; height: 20px;" type="text"/> cm</p> <p>Sum of length of all the sides of carrom board =</p> <p><input style="width: 30px; height: 20px;" type="text"/> + <input style="width: 30px; height: 20px;" type="text"/> + <input style="width: 30px; height: 20px;" type="text"/> + <input style="width: 30px; height: 20px;" type="text"/> cm</p> <p>Perimetre of carrom board = <input style="width: 100px; height: 25px;" type="text"/> cm</p>
	<p>Length of drawing book = <input style="width: 30px; height: 20px;" type="text"/> cm</p> <p>Breadth of drawing book = <input style="width: 30px; height: 20px;" type="text"/> cm</p> <p>Sum of lengths of all the sides of drawing book =</p> <p><input style="width: 30px; height: 20px;" type="text"/> + <input style="width: 30px; height: 20px;" type="text"/> + <input style="width: 30px; height: 20px;" type="text"/> + <input style="width: 30px; height: 20px;" type="text"/> cm</p> <p>Perimetre of drawing book = <input style="width: 100px; height: 25px;" type="text"/> cm</p>

◆ Find the perimetre of the shaded part (side of each small square is 1 cm)



1.  cm
2.  cm
3.  cm
4.  cm
5.  cm
6.  cm
7.  cm

◆ **Solve.**

- 1) What is the perimeter of a rectangular farm with sides 170m, 110m, 170m and 110m.



- 2) What is the perimeter of a square with side 32 cm.



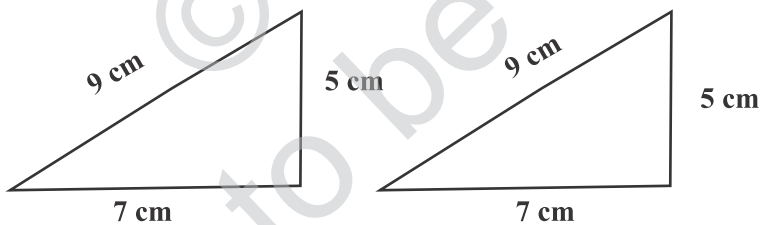
- 3) Find the perimeter of a square with side 18 cm.



- 4) Find the perimeter of a rectangle with length 140 cm and breadth 100 cm.



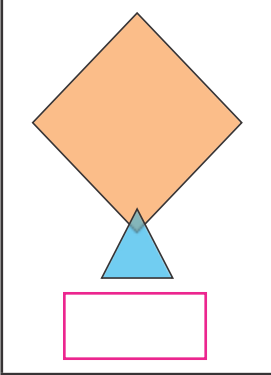
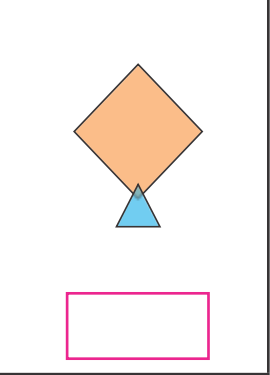
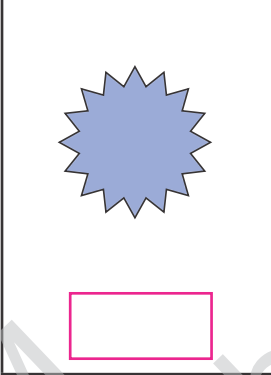
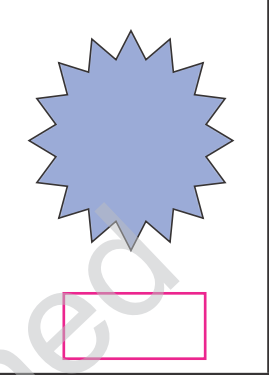
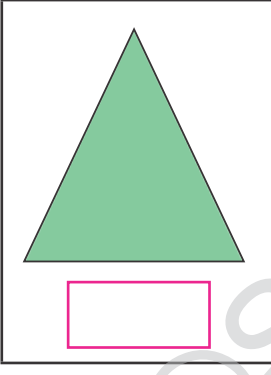
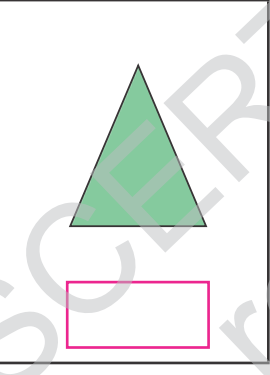

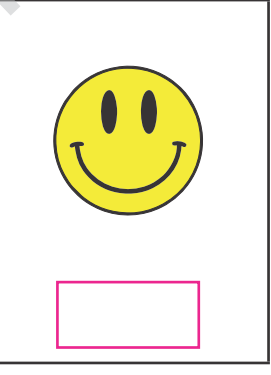
- 5) Join the two triangles given below and find the perimeter of the shape formed.



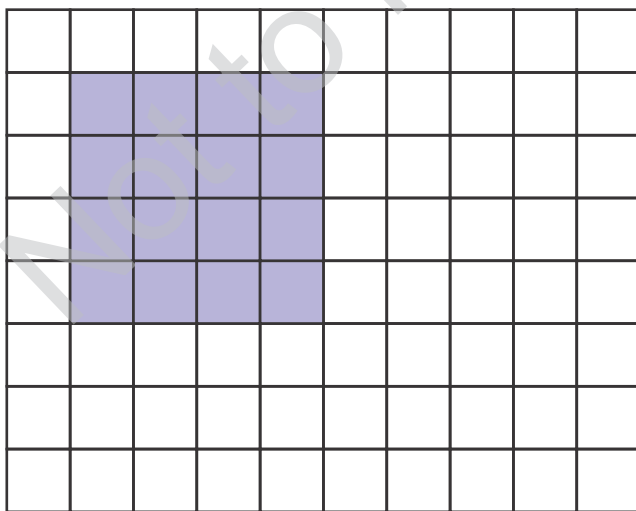
Perimetre of the joined shape is \_\_\_\_\_ cm

Area

◆ Put a tick (✓) below the shape having more area.

<p>A)</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><input style="width: 50px; height: 20px; border: 1px solid pink;" type="text"/></p> </div> <div style="text-align: center;">  <p><input style="width: 50px; height: 20px; border: 1px solid pink;" type="text"/></p> </div> </div>	<p>B)</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><input style="width: 50px; height: 20px; border: 1px solid pink;" type="text"/></p> </div> <div style="text-align: center;">  <p><input style="width: 50px; height: 20px; border: 1px solid pink;" type="text"/></p> </div> </div>
<p>C)</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><input style="width: 50px; height: 20px; border: 1px solid pink;" type="text"/></p> </div> <div style="text-align: center;">  <p><input style="width: 50px; height: 20px; border: 1px solid pink;" type="text"/></p> </div> </div>	<p>D)</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><input style="width: 50px; height: 20px; border: 1px solid pink;" type="text"/></p> </div> <div style="text-align: center;">  <p><input style="width: 50px; height: 20px; border: 1px solid pink;" type="text"/></p> </div> </div>

◆ How much square unit area is occupied by the shaded region in the given figure.  
(All squares are of side 1cm)



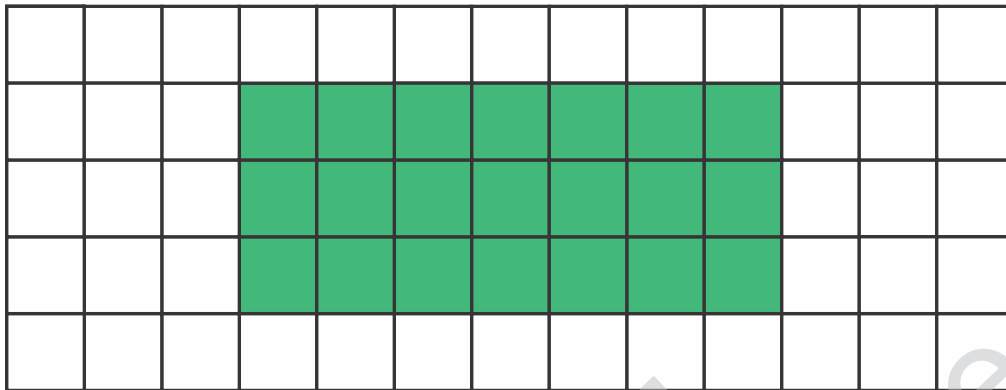
Area of the shaded region =

sqcm.



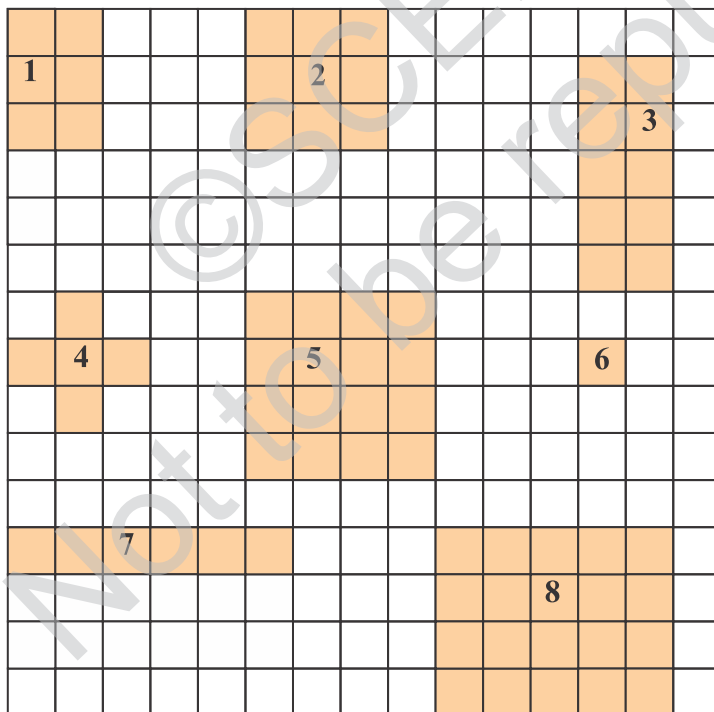
◆ How much area is occupied by the following board ?

(All squares are of side 1 cm)



Area of the board =  sqcm.

◆ Find the area of the following figures. (All squares are of side 1 cm)



1)  sq cm

2)  sq cm

3)  sq cm

4)  sq cm

5)  sq cm

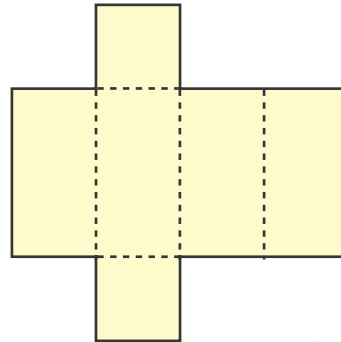
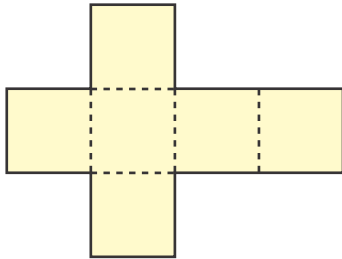
6)  sq cm

7)  sq cm

8)  sq cm

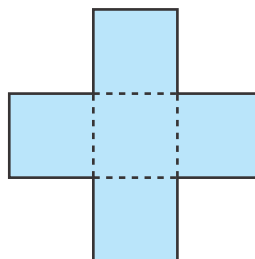
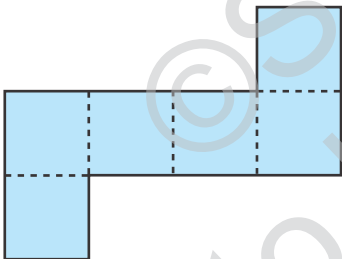
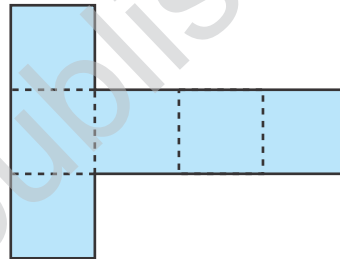
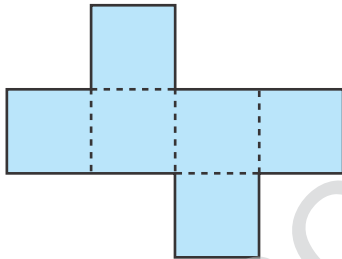
## Nets

- ◆ Write the name of three dimensional shape to which the net belongs.

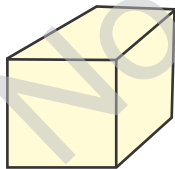


3 dimensional shape .....

- ◆ Put a tick (✓) on the net which cannot form a cube.

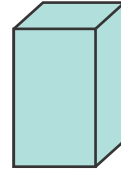
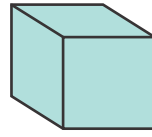
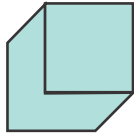
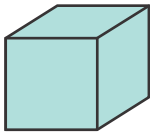


- ◆ Write the name of the three-dimensional shape and draw its net.

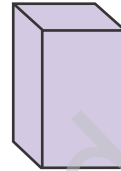
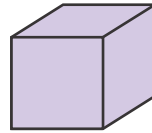
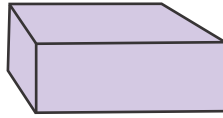
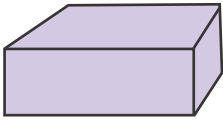


◆ Put a tick on the shape that is different.

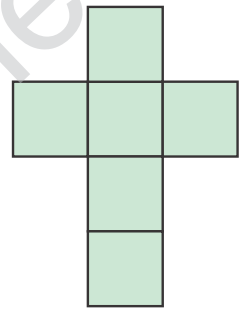
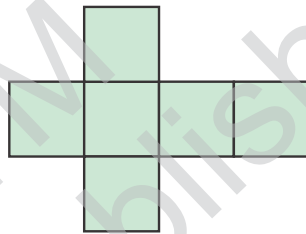
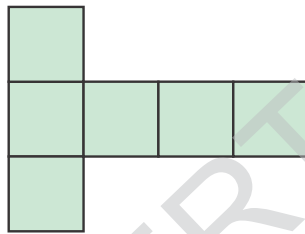
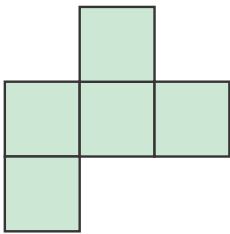
1)



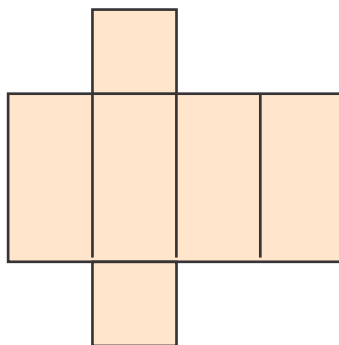
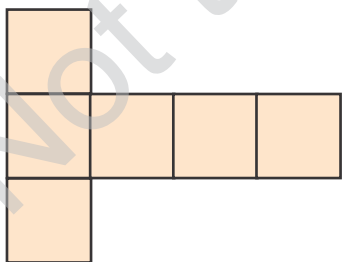
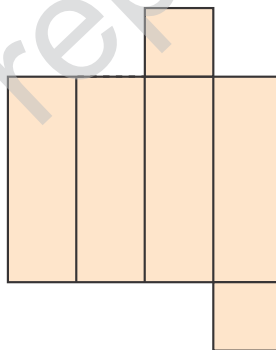
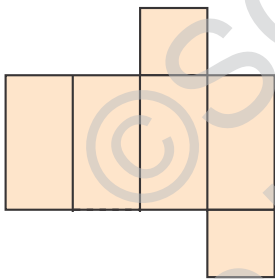
2)



3)



4)



## 13. Let us revise Multiplication

◇ Solve.

Th	H	T	U
		4	7
		3	7

Th	H	T	U
		7	0
		4	4

Th	H	T	U
	2	2	5
		4	2

Th	H	T	U
		3	7
		9	2

Th	H	T	U
	5	5	2
			7

Th	H	T	U
	9	1	0
		1	2

TTh	Th	H	T	U
		7	5	0
			3	8

TTh	Th	H	T	U
		4	7	5
			6	9

◆ Solve.

1)  $500 \times 66$

2)  $675 \times 50$

3)  $857 \times 69$

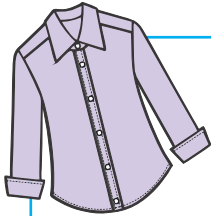
4)  $400 \times 40$

5)  $389 \times 78$

6)  $482 \times 21$

◆ Solve.

- 1) If the cost of one shirt is 350 rupees then, what will be the cost of 14 such shirts?



Blank space for solving question 1.

- 2) Every month Bhaskar deposits 750 rupees in the bank. In 19 months how much money will be there in his account?



Blank space for solving question 2.

- 3) A hotel needs 25 packets of milk every day. How many milk packets will be needed for the month of July?



Blank space for solving question 3.

- 4) In a jaggery factory 145 blocks of jaggery are made every day. If the factory works for 60 days how many blocks will be made?



Blank space for solving question 4.

## 14. Let us revise Division

- ◆ Take the farmer to his home by the path where the answer of division is even number.

The maze contains the following division problems in each cell:

- Top row:  $75 \div 3$ ,  $360 \div 5$ ,  $192 \div 8$
- Second row:  $126 \div 9$ ,  $162 \div 9$
- Third row:  $208 \div 4$ ,  $220 \div 5$ ,  $172 \div 4$ ,  $159 \div 3$
- Fourth row:  $156 \div 6$ ,  $110 \div 5$ ,  $168 \div 7$ ,  $176 \div 8$
- Fifth row:  $104 \div 8$ ,  $84 \div 2$ ,  $252 \div 6$
- Sixth row:  $147 \div 7$ ,  $165 \div 3$ ,  $204 \div 6$ ,  $360 \div 9$
- Seventh row:  $99 \div 9$ ,  $160 \div 8$ ,  $132 \div 3$
- Eighth row:  $264 \div 8$ ,  $200 \div 4$
- Ninth row:  $154 \div 7$ ,  $216 \div 9$ ,  $105 \div 5$ ,  $117 \div 9$
- Tenth row:  $324 \div 6$ ,  $80 \div 8$
- Eleventh row:  $84 \div 3$ ,  $148 \div 2$ ,  $102 \div 3$
- Twelfth row:  $224 \div 7$ ,  $210 \div 5$

◆ Solve the following examples.

1) $9 \div 3$	2) $15 \div 2$	3) $98 \div 8$
4) $160 \div 4$	5) $484 \div 4$	6) $864 \div 8$
7) $624 \div 6$	8) $400 \div 2$	9) $700 \div 5$
10) $150 \div 3$	11) $210 \div 7$	12) $819 \div 9$



◆ **Solve.**

- 1) 94 kg sugar is to be filled in bags with 5 kg sugar in a bag. How many bags will be needed and how much sugar will be left?



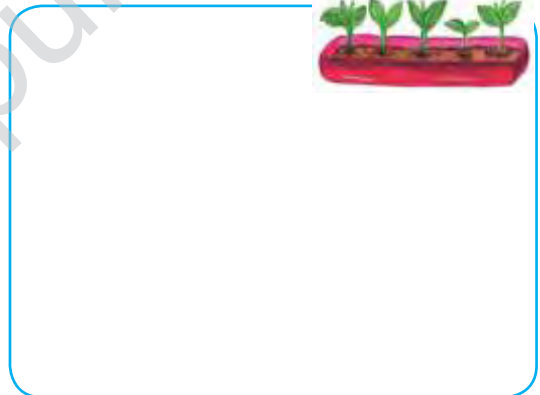
- 2) Rohan distributed 82 chocolates on his birthday. He gave 2 chocolates to each child. How many children will get the chocolate?



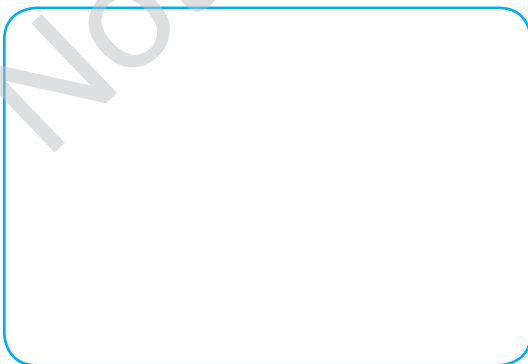
- 3) 144 bananas are distributed amongst the classes. Each class received 1 dozen bananas. How many classes will get the banana? (1 dozen = 12 bananas)



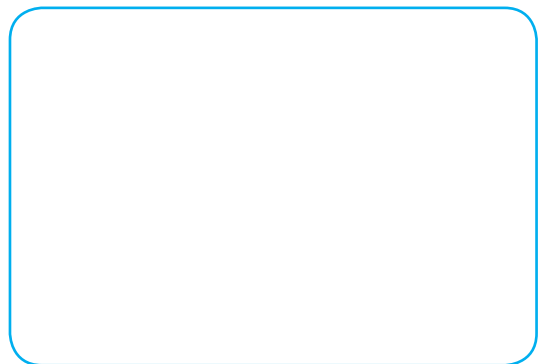
- 4) In a garden, if 425 saplings planted in 5 rows with equal number of saplings in each row then, how many saplings are there in each row?



- 5) 124 kg of rice is distributed equally amongst 4 people. How many kgs of rice will each person get?


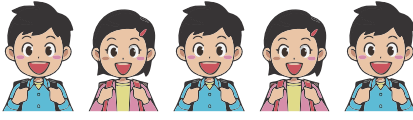






- 6) If there are 8 biscuits in a pack then, 752 biscuits can be packed in how many packets?






## 15. Pictograph

◆ Following table shows the things that students have.

Thing	Number of students
	
	
	

- 1) Which things does maximum students have?
- 2) How many students have water bag?
- 3) By how much is the number of students having water bag less than the number of students having lunch box?
- 4) How many students are there in all?

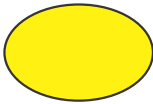


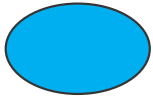





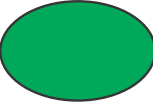








◆ Following table gives us information about the books in the library. (Scale  = 10 books)

Type of book	Books
Chan chan goshti	
Balgeet	
Balnatya	

- 1) How many books are there in the library?
- 2) Which type of books are maximum in the library?
- 3) By how much are the Balgeet books less than the number of Balnatya books?

◆ Following is the table that shows the favorite colour of students in standard 4.

(Scale :  = 5 boys)


Colour	Number of boys
	 
	    
	  
	   



















1) How many students are there in the class?

2) Which colour is most favorite amongst boys?

3) How many students like green colour?

◆ Following is the table that shows the favorite drink of students in standard 4.

(Scale :  = 2 girls)


Drink	Number of girls
Juice	     
Sugarcane juice	   
Milk	       




1) How many girls like juice?

2) How many girls are there in the class?

3) Which drink is most favourite amongst girls?

◆ Following table gives information about the vehicle and people travelling by it.

(Scale :  = 5 persons)


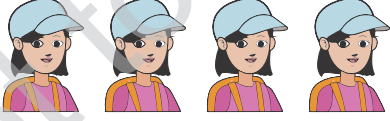
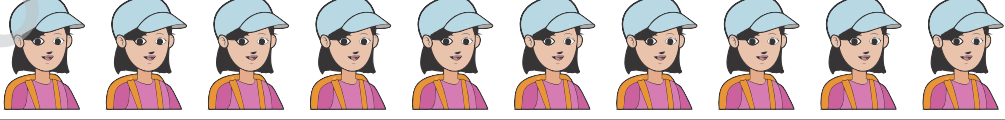
Vehicle	Passengers travelling by vehicle
Bus	
Bike	
Car	

1) How many passengers travel by bus?

2) Which vehicle has least number of passengers?

3) By how much is the number of passengers travelling by car more than those travelling by bike?

◆ Following table gives information about the sport and number of players. (Scale:  = 10 players)


Sport	Number of players
Foot ball	
Lezim	
Cricket	


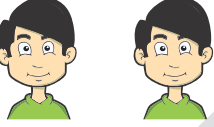
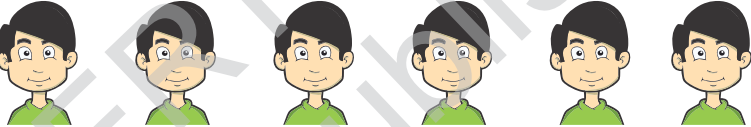

1) Which sport has least number of players?

2) How many players play football?

3) How many players play cricket?

- ◆ Students are preparing for a play in a class. Following table gives information about the various roles of the students. Observe and answer the following questions.

(Scale :  = 3 students)

Role in the play	Number of students
Artists	
Singers	
Musicians	
Stage decoration team	

- How many total number of artists are there in the play?
- Which role is played by maximum number of students?
- How many singers are there in the play?
- By how much is the number of musicians more than the artists?
- What is the total number of singers and stage decorators?







## 16. Pattern

◆ Complete the patterns.

1)						
2)						
3)						
4)						
5)						
6)						
7)						

◆ Observe and complete the patterns.

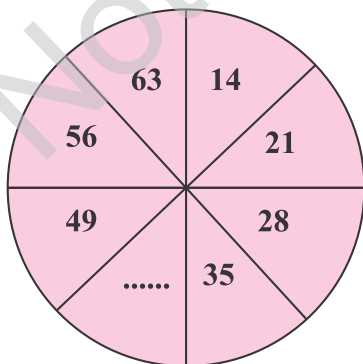
1)						
2)						
3)						
4)						

◆ Complete the patterns.

1) Write the number that will come on the balloons that do not have number.



2) Complete the pattern.



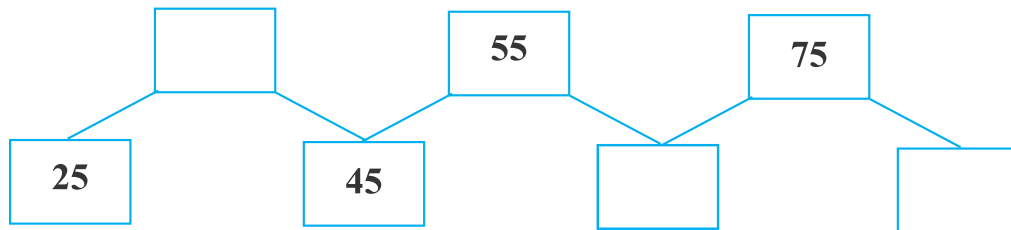
1) 42

2) 44

3) 40

4) 56

3) Fill in the blanks with the correct number from the given options.



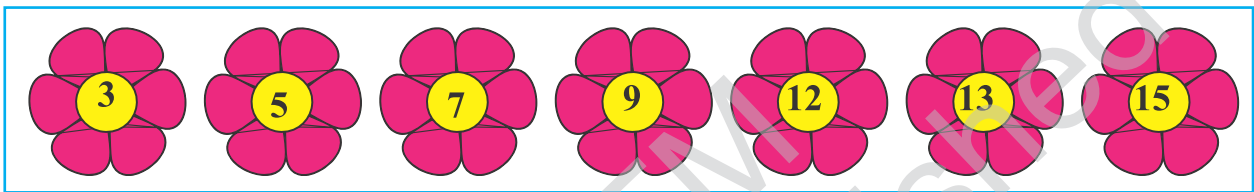
i) 5,85,55

ii) 35,85,65

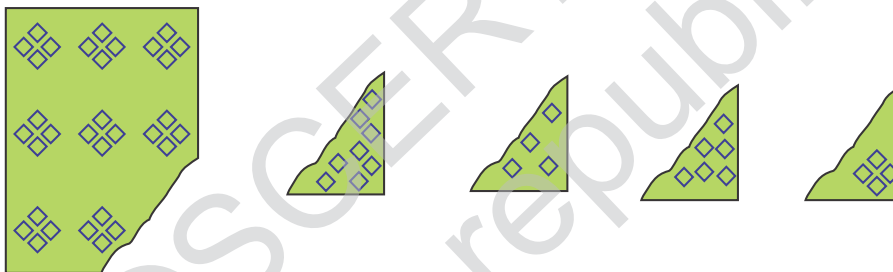
iii) 35,65,55

iv) 35,65,85

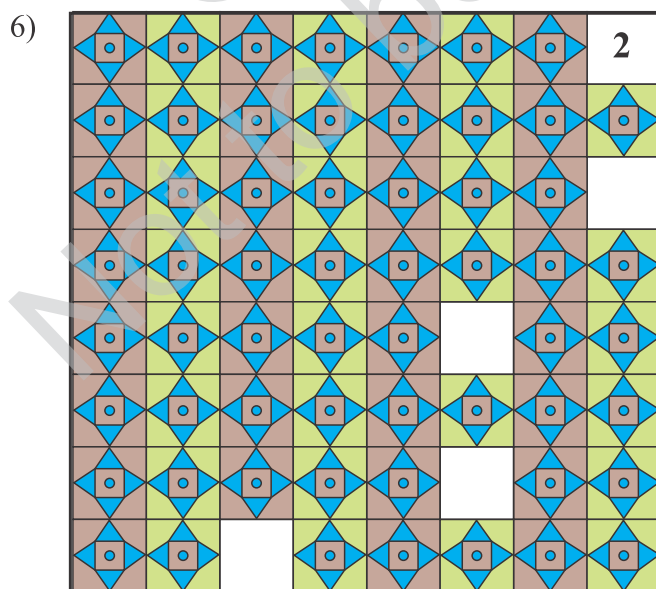
4) Put a cross on the figure that is not in correct pattern.



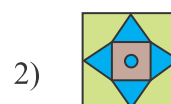
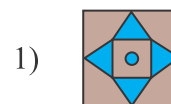
5) Complete the figure by selecting the correct option.



### Patterns in tile

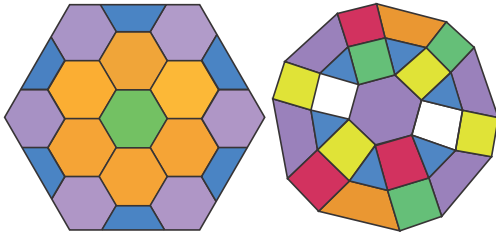


Write the number of option that will correctly fit in the blank spaces of the pattern given alongside.





7) Prepare designs using geometric shapes available in school or from paper cutouts.



◆ **Patterns in multiplication.**

- Complete the table and fill in the units place in the pattern.

Table of 2

2	4	6	8	1....	1....	1....	1....	1....	2....
---	---	---	---	-------	-------	-------	-------	-------	-------

Pattern in units place – 2, 4, 6, 8, 0.

Table of 8

8	....	24	....	40	....	56	....	72	80
---	------	----	------	----	------	----	------	----	----

Pattern in units place - .....

Table of 5

5	1....	1....	2....	2....	3....	3....	4....	4....	5....
---	-------	-------	-------	-------	-------	-------	-------	-------	-------

Pattern in units place – 5, 0, 5, .....

- Complete the table and fill in the tens place in the pattern.

Table of 10

10	20	....	....	50	....	....	80	....	100
----	----	------	------	----	------	------	----	------	-----

Pattern in tens place - .....

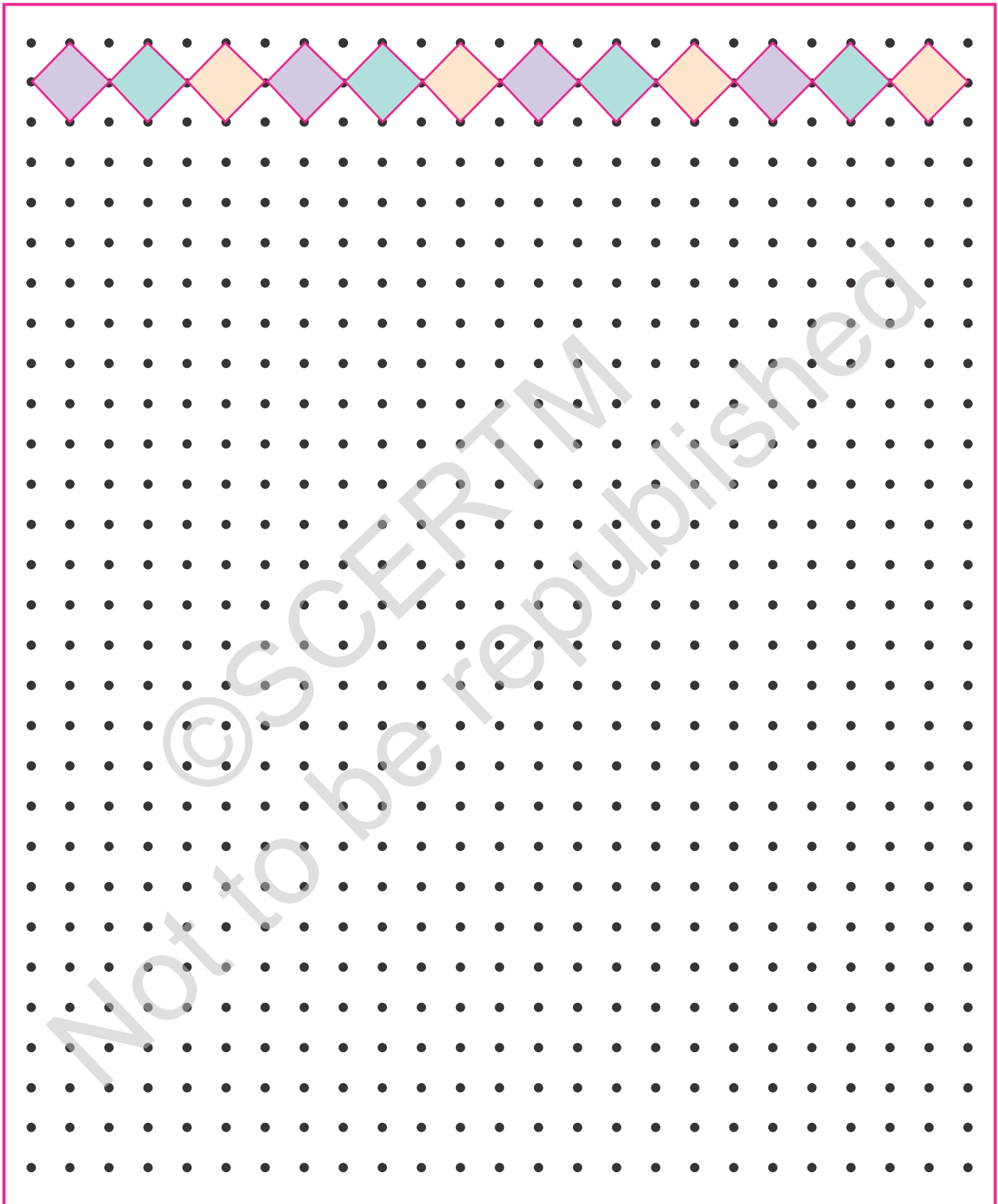
Table of 20

20	40	....	80	100	....	140	160	....	200
----	----	------	----	-----	------	-----	-----	------	-----

Pattern in tens place - .....



◇ Create patterns of your choice.



## Credentials

### Workbook : Standard - Four : Creative Participation in Development and Writing





Sr. No.	Name	Designation	Office
1.	Dr. Nitu Gawande	Senior Lecturer	Dist. Institute of Educational Training (DIET), Wardha
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3.	Dr. Vaishali Jahagirdar	Senior Lecturer	Dist. Institute of Educational Training (DIET), Aurangabad
4.	Vijay Gaikwad	Senior Lecturer	Dist. Institute of Educational Training (DIET), Phaltan, Satara
5.	Dr. Dinesh Chaudhari	Lecturer	Dist. Institute of Educational Training (DIET), Thane
6.	Shivaji Thakur	Lecturer	Dist. Institute of Educational Training (DIET), Dhule
7.	Nilofar Patel	Lecturer	Dist. Institute of Educational Training (DIET), Bhandara
8.	Shailesh Patil	Lecturer	Dist. Institute of Educational Training (DIET), Jalgaon
9.	Chandan Kulkarni	I/C BEO	Panchyat Samiti, Ambajogai, Beed
10.	Suvarna Deshpande	Asst. Teacher	New English School, Satara
11.	Pradip Palve	Asst. Teacher	Lakshmbai Bhaurao Patil Madhyamik Vidyalay, Ahmadnagar
12.	Anilkumar Satpute	Subject Asst.	Dist. Institute of Educational Training (DIET), Ahmadnagar
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14.	Atul Kulkarni	Subject Asst.	Dist. Institute of Educational Training (DIET), Nanded
15.	Chandrakishor Kadu	Subject Asst.	Dist. Institute of Educational Training (DIET), Yawatmal
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18.	Umesh Raut	Asst. Teacher	Z. P. Primary School Navghar, Dist. Palghar
19.	Manisha Kurhade	Asst. Teacher	Z. P. Primary School Aanandwadi, Tal. Junnar, Dist. Pune
20.	Monika Wadekar	Asst. Teacher	Z. P. Primary School Landewadi, Tal. Ambegaon, Dist. Pune.
21.	Tukaram Adsul	Asst. Teacher	Z. P. Primary School Gitewadi, Tal. Pathardi, Dist. Ahmadnagar
22.	Sarita Upase	Asst. Teacher	Z. P. Primary School Umarga, Tal. Umarga, Dist. Osmanabad
23.	Dhanraj Raulakar	Science Teacher	Z. P. Primary School Panjarilodhi, Tal. Dist. Nagpur
24.	Laxmikant Idalwar	Asst. Teacher	Z. P. Primary School Naygaon, Tal. Jamkhed, Dist. Ahmadnagar
25.	Yashashri Lohakare	Asst. Teacher	Z. P. Primary School Dhamangaon, Dist. Vardha
26.	Taruben Popat	Retd. Head Mistress	Sanghavi K.M. High School, Pune.
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28.	Geeranjali Vitkar	Asst. Teacher	Symbiosis School, Prabhat Road, Pune.

**Instructions for teachers/parents :** 1) The objective of this workbook is to inculcate the habit of self-study in students and also to provide opportunity to excel in expected learning outcomes. 2) After learning the concepts and content given in the textbook, the students are expected to complete the activities given in this workbook. 3) Ample colourful pictures, figures and diagrams are used to make the workbook attractive. Mathematical puzzles /riddles are included to make it more enjoyable. 4) Activities in the workbook are designed as per the learning outcomes, hence every student sooner or later will achieve the expected learning outcomes. So teachers should focus on the process of learning rather than the product. 5) Teachers should plan as per the local situations so that every student can complete the activities in the said academic year. 6) At many places some sample activities are solved, so by observation student will solve remaining activities on their own. 7) If necessary, teacher /parent should give guidance to the students in person or in group. 8) Teaching of Mathematics should be accompanied by real life examples from the local surroundings so that the students can relate themselves and understand it in better way. Also encourage and motivate students to find such examples. 9) To evaluate the students' performance is not the only aim and objective of this workbook but also to get rid of 'Mathophobia' in students. Rather they should start loving Mathematics. 10) Teacher should always start with a positive thought and strong belief that 'Every child can learn Mathematics.' Encourage students to participate in everyday teaching-learning process with the help of this workbook.



# Let's Play with Numbers



<b>Start</b>  	$4 \times 80$	$4 \times 30$	$9 \times 60$	$7 \times 50$
$0 \times 70$	 Roll the dice and start <ul style="list-style-type: none"> <li>* Move ahead those many places as the number on dice.</li> <li>* After both the players roll the dice multiply the number in the place which has </li> <li>* Player whose product is more moves 2 places ahead.</li> <li>* Start again if the product is zero.</li> <li>* Keep playing.</li> <li>* One who reaches first is the winner.</li> </ul>			$7 \times 20$
$9 \times 40$				$9 \times 30$
$6 \times 60$				$8 \times 80$
$3 \times 40$				$6 \times 40$
$5 \times 90$				$7 \times 60$
$10 \times 10$				$9 \times 10$
$6 \times 20$				$0 \times 90$
$6 \times 80$				$8 \times 50$

