

Government of Tamilnadu

# STANDARD FIVE <br> TERM I <br> VOLUME 2 

MATHEMATICS

## SCIENCE

## SOCIAL SCIENCE

NOT FOR SALE

Untouchability is inhuman and a crime

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Department of School Education

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# MATHEMATICS STANDARD FIVE TERM I 



Ravi, Rahul and Rani are excitedly talking about the recently concluded cricket match.

RAVI : Did you watch the cricket match yesterday on T.V.?
RAHUL: Yesterday, my uncle took me to the stadium and I saw the match live.

RANI : How was the crowd at the stadium?
RAHUL: The crowd was enjoying the match.


RAVI : What was the shape of the stadium and the pitch?
RAHUL: The oval-shaped stadium was packed with people and the two teams batted and bowled very well on the rectangular pitch.

RANI : What is the shape of the cricket stumps?


RAHUL: It is cylindrical in shape.
RAVI: What is the shape of the ball?
RAHUL : The ball is spherical in shape.

## Activity

Write the shapes of the things which are around you.


| Things | Shapes | Things | Shapes |
| :--- | :--- | :--- | :--- |
| Pencil |  | Globe |  |
| Marble |  | Notebook |  |
| Chalk box |  | Matchbox |  |
| Dice |  | Football |  |

## Net of a Cuboid

Have you seen a matchbox?
How many sides does it have?

Open out the folds of a matchbox. Mark the faces with numbers $1,2,3,4,5$ and 6 on the matchbox as shown in the figure and remove the extra flaps and count the number of faces. Yes it has 6 faces. What is the shape of each face? Each face is a rectangle.

If a matchbox is opened out and unfolded, it gives a flat shape. The unfold flat shape is called the net of the matchbox


This shape when it is folded it gives us the matchbox.

## A net is a two dimensional figure which

can be folded to form a three dimensional figure.

## Try these

By folding along the dotted lines of the given shapes, find out which of these can be made into a box. Put a tick $(\checkmark)$ mark for the correct options.


## Net of a cube

Six squares of equal size form a cube shaped box, when folded along the dotted lines.


Hence six equal squares form the net of a cube.

## Activity

Ramu wants to make a paper cube. He knows that all the faces of a cube are squares. He draws two different shapes as shown below.
Wi. Will both of these shapes fold to form
a cube?
Draw atleast two other shapes which can be folded into a cube.


## Net of an open box

Two ways to make open boxes with faces (sides) in the shape of rectangle and square are given to you.


- Find out two more ways of making open boxes using the rectangle / square faces.

The net of a cube is given.
If this net is folded to make a cube in such a way that the alphabet $R$ is at bottom, then
 E E : Y which letters of the alphabet will be on the top, front and right sides of the cube.

From the picture of the cube it is understood that

Top side should be H
Front side should be $\quad Y$


Right side should be
E

## Net of a cylinder

Consider a rectangle and two circles of equal size.


Join the two edges of a rectangle breadthwise in such a way that the length of the rectangle forms the boundary of one circle at the upper end and the other circle at the bottom. The figure thus formed is a cylinder.

## Activity



Take a string and measure the upper circle.

Take another string and measure the bottom circle.

Both are exactly the same and equal to
 the length of the rectangle.

The length of the rectangle forms the boundary of the circle. Both of them are equal in length.

## Net of a cone

Look at the figure.
Join both the sides of the portion of a circle in such way that the arc of the circle falls on the boundary of the circle attached at the bottom.


The figure thus formed is a cone.
The length of the arc forms the boundary of the circle. Both of them are equal in length.


## Floor maps

To make a house, a floor map is necessary. Here is a floor map of a house.


This house has got one window and one door in the front, two windows at the back, one window on the left and other on the right side of the house. The view of the house drawn using the above floor map is shown below.


A special way of drawing the house which is deep to show the length, width and height is called a deep drawing.


Put a tick $(\checkmark)$ mark for the correct deep drawing of the given floor map.


## Drawing 3-D Shapes from 2-D Shapes



Square


Cube


Rectangle


Cuboid

These are some of the two dimensional shapes. Now we are going to draw three dimensional geometric figures.

Any object that takes up space is called a three dimensional object.
Drawing of cube through squares

| Draw a square on a paper. | Draw another square as shown in the diagram. |
| :---: | :---: |
|  | Draw perfect lines over the dotted lines. |

Activity: Use the above procedure to draw a cuboid using rectangles.

## Perspective view

Perspective view is the view of a three dimensional object on a 2-D surface.

The front view of a thin metal plate is given. Make
a perspective sketch of the metal plate.

Step 1: Take a sheet of paper. Step 2: Join the three corners Draw the front view of the metal plate and mark a point ( $\cdot$ ) above the figure as shown below.

Step 3: Draw a line across and Step 4: Erase the lines outside extend it down as given in the the new lines drawn. diagram.
 with the point as shown below.



## $-4 \mathscr{P}_{\text {ractice }} \mathscr{F}_{i m e}$

Draw the right view and front view of the 3-D objects shown.

| 3-D objects | Right view | Front view |
| :--- | :--- | :--- |
|  |  |  |

## Worksheet

## Choose the correct answer:

1. The three dimensional shape is $\qquad$
i) Square
ii) Rectangle
iii) Triangle
iv) Cuboid
2. A cube has $\qquad$ faces.
i) 4
ii) 6
iii) 8 iv) 10
3. The right view of the object is

i)

ii)

iii)

iv)


Fun With Maths
1.


Write the given digital numbers in your notebook using pencil. Erase the red coloured number pattern among the given numbers. If you make half a turn of your notebook, what do you observe?
2. Twenty five dots are arranged in the form of a square as shown in the diagram. Can you connect 12 of these dots with straight lines to form a shape which has 5 dots inside it and 8 dots
 outside?
(1) Answer the following:
i) The greatest two digit number is $\qquad$ .
ii) The smallest three digit number is $\qquad$ .
iii) The greatest three digit number is $\qquad$ .
iv) The smallest four digit number is $\qquad$ .
v) The greatest four digit number is $\qquad$ .
(2) Write the number names for the following:
i) 4005
ii) 4732
iii) 5060
iv) 5847
v) 8340
vi) 9400
(3) Write the numerals for the following:
i) Thousand six hundred.
ii) Five thousand and forty two.
iii) Seven thousand nine hundred and eighty six.
iv) Eight thousand nine hundred and thirty.
v) Nine thousand four hundred and eighty.
(4) Give the place value for the coloured digits in the following numbers
i) 5507
ii) 6348
iii) 7540
iv) 8675
v) 9143
vi) 9312
(5) Write the following in expanded notation:
i) 3238
ii) 6520
iii) 8005
iv) 4317
v) 7430
vi) 8502
(6) Write the following in standard form:
i) $2000+400+20+7=$ $\qquad$ .
ii) $3000+500+60+5=$ $\qquad$ .
iii) $5000+200+8$
$=$ $\qquad$ .
(7) Encircle the greatest number among the following:
i) $429,536,209$
ii) $6276,6266,6267$
(8) Encircle the smallest number among the following:
i) $655,650,605$
ii) 9099, 9909, 9999
(9) Arrange the following numbers in ascending and descending orders.
i) $1771,6217, \quad 4562,8392,5505$
ii) $8077,4212, \quad 1791,5500,7508$
iii) $4558,6354, \quad 8392,7715,5678$
(10) Using the given digits 4, 6, 7 and 8 write the smallest and greatest four digit numbers without repetition of the digits .

Smallest number : $\qquad$
Greatest number : $\qquad$


## Large Numbers

The school bell had rung and then the students came out of their classrooms.

Bama: Where are our teachers going after the school hours with those
 blue bags?
Aravind: They have to go from house to house to do the census work assigned to them.
Bama: Why is census done?
Aravind: The headmaster of a school can plan the distribution of benefits given by the Government only if he knows the number of students studying in each class. Similarly, there should be a data of the number of men and women residing in a locality. The head count of this data is known as census. In general it is a large number.

Bama: Is that so?
Aravind: Yes. For example the rural population of Thiruvannamalai district is a 6 digit number. The total rural and urban population of other districts can be even greater. It can be either a seven digit number or more. To read large numbers, we make use of 'commas' at appropriate places.

Bama: Thank you Aravind, for the valuable information you have given me.

Last year we learnt that the largest 4 digit number is 9,999 .
We shall now study the numbers that come after 9,999.

| The largest 4 <br> digit number is <br> 9,999 | $9,999+1$ | 10,000 | The smallest 5 <br> digit number |
| :--- | ---: | ---: | :--- |
| The largest 5 <br> digit number is <br> 99,999 | $99,999+1$ | $1,00,000$ | The smallest 6 <br> digit number |
| The largest 6 <br> digit number is <br> $9,99,999$ | $9,99,999+1$ | $10,00,000$ | The smallest 7 <br> digit number |
| The largest 7 <br> digit number is <br> $99,99,999$ | $99,99,999+1$ | $1,00,00,000$ | The smallest 8 <br> digit number |

1) $10,001,10,002,10,003$, $\qquad$ , $\qquad$ , $\qquad$ , $\qquad$ ,
$\qquad$ , 10,009 , 10,010.
2) $10,010,10,020,10,030,10,040$, $\qquad$ , $\qquad$ , $\qquad$
$\qquad$ , $\qquad$ , 10,100.

## Fill in the blanks

3) $10,100,10,200,10,300$, $\qquad$ , $\qquad$ , $\qquad$ , $\qquad$ ,
$\qquad$
$\qquad$ , $\qquad$ .
4) $11,000,12,000,13,000$ $\qquad$ , $\qquad$ , $\qquad$ , 17,000 ,
$\qquad$
$\qquad$
$\qquad$ .
5) $10,000,20,000,30,000,40,000$, $\qquad$ , $\qquad$ , $\qquad$ ,
$\qquad$ , $\qquad$ , 1,00,000.
6) $10,00,000,20,00,000$, $\qquad$ , $\qquad$ , $\qquad$ , $\qquad$ , 70,00,000, $\qquad$ , $\qquad$ ,1,00,00,000.

Fill in the blanks

1) $99,990,99,991,99,992$, $\qquad$ , $\qquad$ , $\qquad$ ,
$\qquad$ , 99,997, 99,998, $\qquad$ , 1,00,000.
2) $9,99,910,9,99,920,9,99,930$ $\qquad$ , $\qquad$ , $\qquad$ ,
$\qquad$ , $\qquad$ ,9,99,990, 10,00,000.
3) $9,99,100,9,99,200,9,99,300$, $\qquad$ , $\qquad$ , $\qquad$ , 9,99,700, 9,99,800, $\qquad$ 10,00,000.
4) $99,000,99,100,99,200$, $\qquad$ , $\qquad$ , $\qquad$ ,
$\qquad$ , 99,700, 99,800 $\qquad$ , 1,00,000.
5) $99,91,000,99,92,000,99,93,000$, $\qquad$ , $\qquad$ ,
$\qquad$ , $\qquad$ , 99,98,000 , $\qquad$ , 1,00,00,000.

## Let us know



Fill in the correct numbers in the following table

|  |  | 番 | $\frac{\text { n }}{\frac{n}{n}}$ |  | 言薜 |  |  | $\begin{aligned} & \text { ®a } \\ & 0 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| In one crore | 1 | 10 | 100 | 1，000 | 10，000 | 1，00，000 | 10，00，000 | 1，00，00，000 |
| In ten lakhs |  | 1 |  |  |  |  |  |  |
| In a lakh |  |  | 1 |  |  |  |  |  |
| In ten thousand |  |  |  | 1 |  |  |  |  |
| In thousand |  |  |  |  | 1 |  |  |  |

## Activity

Let us learn to use the Abacus
（1）The abacus shows the number 9，678．
In words，it is Nine thousand six hundred and seventy eight．


When expanded，it is，： 9 thousands +6 hundreds +7 tens +8 ones

$$
\begin{aligned}
& =9,000+600+70+8 \\
& =9 \times 1000+6 \times 100+7 \times 10+8 \times 1 .
\end{aligned}
$$

（2）


The abacus shows the number 49，857 In words，it is ：Forty nine thousand eight hundred and fifty seven．

When expanded，it is，

$$
\begin{aligned}
& =4 \text { ten thousands }+9 \text { thousands }+8 \text { hundreds }+5 \text { tens }+7 \text { ones } \\
& =40,000+\ldots+800+\ldots+7 \\
& =4 \times 10,000+9 \times 1,000+8 \times \ldots+5 \times 10+7 \times 1
\end{aligned}
$$

(3) The abacus shows the number 6,29,634.

In words, it is Six lakhs twenty nine $\qquad$ six
hundred and $\qquad$ four

when expanded, it is,
$=6$ lakhs +2 ten thousands +9
+6 hundreds +3 $\qquad$ +4 ones
$=6,00,000+20,000+$ $\qquad$ +600 + $\qquad$ $+4$
$=6 \times 1,00,000+2 x$ $\qquad$ $+9 x$ $\qquad$ $+6 x$
$100+$ $\qquad$ x 10 + $\qquad$ x 1
(4) The abacus shows the number 29,37,465.

In words, it is : Twenty nine lakhs thirty seven thousand four hundred and sixty five.

When expanded, it is,
$=2$ ten lakhs +9 $\qquad$ +3 ten thousands
$+7$ $\qquad$ +4 hundreds +6 tens +5 $\qquad$

$=20,00,000+9,00,000+$ $\qquad$ $+7,000+$ $\qquad$ $60+5$
(5) The abacus shows the number $\qquad$ In words, it is $\qquad$
Expanded form:

$=70,00,000+2,00,000+$ $\qquad$ $+4000$
$+$ $\qquad$ $+$ $\qquad$ $+$
$=7$ ten lakhs + $\qquad$ $+$ $\qquad$ $+$ $\qquad$
$+$ $\qquad$ $+$ $\qquad$ $+$ $\qquad$

## $\mathscr{P}_{\text {ractice }}$ Time

1. Draw the abacus and place the beads on it according to the place value for the numbers given below. Write them in words and in expanded notation.
i) 38,205
ii) 7,20,045
iii) $23,47,280$
iv) $17,35,488$
2. Fill in the place value table for the following numbers according to the place value.

| Place value Numbers | C | T.L | L | T.Th | Th | H | T | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1,00, 00, 000 | 10,00,000 | 1,00,000 | 10,000 | 1000 | 100 | 10 | 1 |
| 48,769 |  |  |  |  |  |  |  |  |
| 7,14,050 |  |  |  |  |  |  |  |  |
| 38,29,014 |  | 3 | 8 | 2 | 9 | 0 | 1 | 4 |
| 19,15,845 |  |  |  |  |  |  |  |  |
| 1,00,00,000 |  |  |  |  |  |  |  |  |

An example to fill up the table for the number 38, 29, 014 is given below. Similarly, fill up the table for the rest of the numbers.

In the number 38,29,014
The place value of 4 is

| $4 \times 1$ | $=$ | 4 |
| ---: | :--- | ---: |
| $1 \times 10$ | $=$ | 10 |
| $0 \times 100$ | $=$ | 0 |
| $9 \times 1,000$ | $=$ | 9,000 |
| $2 \times 10,000$ | $=$ | 20,000 |
| $8 \times 1,00,000$ | $=$ | $8,00,000$ |
| $3 \times 10,00,000$ | $=30,00,000$ |  |

Write the place value of each digit for the following numbers:
i) 48,769
ii) $7,14,050$
iii) $89,05,946$

## Importance of Commas or periods

Numbers having 5 or more digits can be read quickly and easily by putting them into groups using commas.

In the place value system, ones, tens, and hundreds form the first group under "ones" period, thousands and ten thousands form second group under "thousands" period, lakhs and ten lakhs form the third group under "lakhs" period and crores and ten crores form the fourth group under "crores" period. Each group is separated by a comma.
i) $78,40,435$
ii) $1,23,00,786$
iii) $4,58,70,465$

(1) Read the following numbers by placing the commas at appropriate periods and write their number names:
i) 247345
ii) 465310
iii) 1946380
iv) 3438375
(2) Use an abacus to show the place value of the given numbers, and write them in words.
i) 59,047
ii) $2,04,854$
iii) 3,79,89,750
(3) Write the place value for the red coloured digits in the following numbers.
i) $5,09,521$
ii) $6,50,283$
iii) $8,88,408$
iv) $41,79,001$
(4) Write the following numbers in expanded form.
i) 70,635
ii) $40,06,360$
iii) $56,08,866$
iv) $99,80,623$
(5) Write the following in standard notation.
i) $20,000+4,000+300+20+5$
ii) $30,000+7,000+200+50+6$
iii) $2,00,000+60,000+5,000+300+40$
iv) $4,00,000+60$

## Comparison of numbers

We use the symbols $>$, < and = to compare any two numbers.


Which is smaller between 35,826 and $9,586 ?$

Number with more number of digits is a larger number and number with a less number of digits is a smaller number.
$9,586<35,826$
4 digits 5 digits

Which is greater between 67,352 and 84,675 ?
Here, both the given numbers are five digit numbers. So, the highest place value is to be compared to find the greater number.

Here, for the given numbers ten thousand is the highest place value. 8 ten thousands is greater than 6 ten thousands.

Hence, 84,675 > 67,352
We read it as Eighty four thousand six hundred and seventy five is greater than Sixty seven thousand three hundred and fifty two.
 Which is smaller between 63,150 and $61,879 ?$

Since both the numbers are five digit numbers and the digit in the ten thousands place is equal, the numbers in the thousand's place are to be compared.

When we compare the thousands place, the first number has 3 thousands and the second one has 1 thousand. So the second number is the smaller number.

$$
\text { Hence, } \quad 61,879<63,150
$$

We read it as sixty one thousand eight hundred and seventy nine is less than sixty three thousand one hundred and fifty.

## त2 ${ }^{2}$ Note

If two numerals contain the same number of digits, we compare them by their left most digit. If the left most digits are also the same, we compare by their next digits from the left and so on.

Thus numbers can be compared by

Find out which digits are compared in each example.
(3) Counting the number of digits in the given numbers.
3. Checking their place value starting from the left to right. them by using < , > and = signs.

| 1) 4,506 | 56,780 | 5) | 35,703 | 2,308 |
| :---: | :---: | :---: | :---: | :---: |
| 2) 18,579 | 18,579 | 6) | 48,458 | 46,358 |
| 3) 57,939 | 87,399 | 7) | 76,345 | 76,396 |
| 4) 43,483 | 44,833 | 8) | 47,346 | 47,634 |



Write the smallest and greatest five digit numbers using the given digits only once.
(1) $3,7,9,5,2$

Smallest Number 23,579
Greatest Number 97,532
(2) $7,4,3,8,2$

Smallest Number 23,478
Greatest Number 87,432

Form the smallest and greatest five digit numbers using the given digits only once.

iii) $9,4,6,3,1$

Smallest Number


Greatest Number


## Activity

(1) Sort out the greatest and smallest numbers from the list of numbers. Place the smallest numbers in the smaller jar and the greatest numbers in the bigger jar.


## Ascending and descending order of numbers

> Ascending order of numbers is writing the numbers from the smallest to the greatest.


Arrange the given numbers in ascending order.

Ascending order
387,
986,
4,462,
17,347,
38,432

Descending order of numbers is writing the numbers from the greatest to the smallest.

Arrange the given numbers in descending order.
986,
6,421,
14,176,
979,
87,346

Descending order
87,346, 14,176, 6,421, 986, 979
Arrange the given numbers in ascending and descending order. $44,565,36,735,37,536,44,655,7,400$

Ascending order: $7,400,36,735,37,536,44,565,44,655$
Descending order: 44,655, 44,565, 37,536, 36,735, 7,400

- $-\sqrt{3}$ ) $\mathscr{P}_{\text {ractice }} \mathscr{J i m e}_{\text {ime }}$

Arrange the following numbers in the ascending and descending orders.
i) $27,045,18,137,33,270,10,678$
ii) $33,198,12,384,21,765,24,250$
iii) $52,830,41,197,64,532,47,675$
iv) $26,487,33,765,26,842,38,482$

## Four Operations

## Addition

Maths teacher asked the students to solve the following problem. She also announced that,

One who gets the correct answer will get a gift."

The students were eagerly waiting for the question.
The teacher said, I bought a cot for ₹ 12,700 , a bureau for ₹ 9,300 and a table for $₹ 2,700$. What is the total cost of the things I have bought?

All the students tried to solve the sum. She saw Iniyan and Elango, two students completed the sum ahead of others. She called them to show their note books. Shockingly, they got two different answers.

Check the methods they followed and tell whose answer is
correct.

Iniyan

| Cost of the cot | $=₹ 12,700$ |
| :--- | :--- | :--- |
| Cost of the bureau | $=₹ 9,300$ |
| Cost of the table | $=\mp$ ₹ 2,700 |
| Total Cost | $=₹ 1,32,700$ |



Can you understand that, Iniyan did not follow the place value correctly, while writing the numbers. So he went wrong in his calculations. Let us learn how to write numbers using place values.


Add the following numbers, by writing them one below the other $64,737+3,475+22,710+276$.


$$
\begin{aligned}
& \text { To add ones } \\
& \begin{aligned}
6+0+5+7 & =18 \text { ones } \\
& =1 \text { ten }+8 \text { ones }
\end{aligned}
\end{aligned}
$$

To add tens

$$
\begin{aligned}
7+1+7+3 & =18+1 \\
& =19 \text { tens }=1 \text { hundred }+9 \text { tens }
\end{aligned}
$$

To add hundreds

$$
\begin{aligned}
2+7+4+7 & =20+1 \\
& =21 \mathrm{H}=2 \mathrm{Th}+1 \mathrm{H}
\end{aligned}
$$

To add thousands

$$
\begin{aligned}
2+3+4 & =9+2 \\
& =11 \mathrm{Th}=1 \mathrm{~T} \mathrm{Th}+1 \mathrm{Th}
\end{aligned}
$$

To add ten thousands

$$
2+6=8+1=9 T \mathrm{Th}
$$



Find the sum of $346,64,786,9$ and 89 .

| TTh | Th | H | T | O |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 |  |  |
|  |  | 3 | 4 | 6 |  |
| 6 | 4 | 7 | 8 | 6 |  |
|  |  |  |  | 9 |  |
| + |  |  |  | 8 | 9 |
| 6 | 5 | 2 | 3 | 0 |  |


(1) Add the following numbers by writing them one below the other:
i) $18,436,11,705,26,470$ and 39,390
ii) $74,786, \quad 375,5,450$ and 78
iii) $2,465,94,366,376$ and 56
iv) $270,46,210, \quad 17$ and 6,500
v) $\quad 7, \quad 493,28,786$ and 6,405
(2) Replace each $\downarrow$ by the correct digit in each of the following:

| TTh | Th | H | T | O |
| :---: | :---: | :---: | :---: | :---: |
|  | 4 | 9 | 8 | 5 |
|  | $*$ | 4 | 3 | $*$ |
| + | 2 |  | 2 | 7 |
| 1 | 1 | 0 | 4 | 2 |


| TTh | Th | H | T | 0 |
| :---: | :---: | :---: | :---: | :---: |
|  | 5 | - | 7 | - |
|  | - | 2 | 3 | 4 |
| + | 1 | 0 | - | 2 |
| 1 | 5 | 8 | 9 | 2 |

Observe the following price list exhibited in an electric and electronic goods shop.


The items purchased by 5 persons are given below:
Shanthi : Television-1, Fan - 1, Torch light - 1.
Kavya : Home theatre - 1, Electric iron box-1, Torch light - 1.
Savitha: Fan - 1, Electric cooker-1, Home Theatre - 1.
Priya Washing machine-1, Torch light-1, Fan-1.
Geetha : Television-1, Torch light - 1, Electric cooker-1.
Find the total value of things bought by Shanthi.
Shanthi bought,

| Cost of Television | $=₹ 12,750$ |  |
| :--- | :--- | ---: |
| Cost of Fan | $=₹$ | 1,800 |
| Cost of Torch light | $=+₹$ | 65 |
| Total value of things | $=\mp 14,615$ |  |

Total value of things bought by Shanthi $=₹ 14,615$

## Activity

From the above table, find out the total value of the things bought by Kavya, Savitha, Priya and Geetha.
$\square$
(1) The rough estimation of cement needed to construct a house is as follows:-

$$
\begin{array}{lr}
\text { For construction } & -1,150 \text { bags of cement } \\
\text { For laying concrete } & -850 \text { bags of cement } \\
\text { For plastering the walls }-98 \text { bags of cement }
\end{array}
$$



What is the total number of cement bags required to construct a house?
(2) A family spent ₹ 3,500 monthly for grocery, ₹ 1,200 for milk, ₹ 4,800 for rent and electricity, and ₹ 950 for other expenses. Find the total expenditure of the
 family in the month?
(3) A Municipality collects ₹ 8,430 as water tax, ₹ 9,890 as professional tax, ₹ 1,480 as entertainment tax and ₹ 2,740 as service tax. What is the total amount collected by the municipality?
(4) In an exhibition, the amount collected from the sale of books, Electronic items, Textiles, Household items are ₹ 1,700 , ₹ 18,585 , ₹ 9,200 and ₹ 22,000 respectively. What is the total amount collected in
 the exhibition?

## Subtraction

"Why have you not completed your homework still?" asked Sarala's mother.
"Mother, I am not able to complete one particular problem", replied Sarala.

Mother had a glance of Sarala's problem.

$27632-8267=$ ?
The mother saw, how she has written the numbers one below the other. She explained her daughter the mistake committed by her.

$$
\begin{array}{r}
27632 \\
-8267
\end{array}
$$

Now you would have understood why Sarala was not able to get the correct answer.

Can you correct Sarala's mistake yourselves? Do you need help to solve the problem?


Subtract the following numbers, by writing them one below the other $27,632-8,267$.



To subtract ones
Since 2 is smaller than 7, convert 1 ten from 3 and then regroup into ones (10 + $2=12$ ). Hence $12-7=5$
To subtract tens
Since 2 is smaller than 6, convert 1 hundred from 6 and then regroup into tens. $12-6=6$
To subtract hundreds
Subtract 2 hundreds from 5 hundreds.
$5-2=3$
To subtract thousands
Since 7 is smaller than 8, convert 1 ten thousand from 2 and then regroup into thousand. $17-8=9$
To subtract ten thousands
$1-0=1$

## Try these

(1) Subtract the following
i) $76,236-987$
ii) 9,827-992
iii) $60,006-27,822$
iv) $98,765-7,988$
(2) Subtract 58,600 from 69,848.
(3) Find the difference between 6,589 and 74,569.
(4) How much 75,000 is more than 23,569 ?
(5) What should be added to 5,600 to get 90,000 .

In a cement factory 63,665 bags of cement are produced in a year. Among them 52,980 bags are sold. Find the number of cement bags unsold.

Number of cement bags produced Number of bags sold

Number of bags unsold


Number of cement bags unsold $=10,685$

(1) Find the difference between the largest five digit number and smallest six digit number.
(2) The cost of a motorbike is ₹ 45,800 . If the cost of a bicycle is $₹ 42,910$ less than the cost of a motor bike, find the cost of the bicycle.
(3) Arivazhagan deposited his monthly income of $₹ 26,000$ in a bank. He withdrew ₹ 7,600 from the bank once and ₹ 12,400 from the bank second time to meet his family expenditure.
 Calculate the balance amount left in his account?
(4) In a flower show 35,000 flowers were used for decoration. After 3 days 1,314 flowers were removed and the remaining flowers were used to make a new model of decoration. How many flowers were used for making the new model?
(5) In a town bus, ₹ 27,432 was collected in the first week and ₹ 16,758 was collected in the second week. By how much was the collection amount less in the second week compared to that of the first week?
(6) Replace each * by the correct digit in each of the following
i)

| Tth | Th | H | T | O |
| ---: | ---: | ---: | ---: | ---: |
| 4 | 6 | 3 | 5 | 7 |
| $-*$ | $*$ | $*$ | $*$ | $*$ |
| 2 | 1 | 2 | 1 | 3 |

ii)

| Tth | Th | H | T | O |
| :---: | :---: | :---: | :---: | :---: |
| $*$ | 6 | 4 | 3 | $*$ |
| -4 | $*$ | 7 | $*$ | 9 |
| 3 | 2 | $*$ | 2 | 1 |

## Multiplication

Bharani has done a multiplication problem in the class. Eventhough he had completed the problem, he had a doubt about the method he followed to solve the problem. He clarified it with his friend. He too was unable to clear his doubt. Finally, their maths teacher cleared their doubt.

Bharani's way of solving the multiplication problem:

| $658 \times 46$ |
| ---: |
| 3948 |
| +2632 |
| 30268 |

When 658 is multiplied by 4 , the product is written from tens place. They wanted the explanation for this.

## Explanation 1

|  |  | $H$ | T | O |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 6 | 5 | 8 |
|  | $\times$ | 4 | 6 |  |
|  | 3 | 9 | 4 | 8 |
| +2 | 6 | 3 | 2 | 0 |
| 3 | 0 | 2 | 6 | 8 |

$$
\begin{aligned}
& 658 \times 6 \text { ones }=658 \times 6=3948 \\
& 658 \times 4 \text { tens }=658 \times 40=26320
\end{aligned}
$$

## Explanation 2

|  |  | H | T | O |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 6 | 5 | 8 |
|  | $\times$ | 4 | 6 |  |
|  | 3 | 9 | 4 | 8 |
| +2 | 6 | 3 | 2 |  |
| 3 | 0 | 2 | 6 | 8 |

Write all the values, according to place value and add them
$658 \times 6$ ones

$658 \times 4$ tens
$\begin{aligned} & 0 \\ & 8\end{aligned} \mathrm{~T}^{\mathrm{T}}=32$ tens
T T
$5 \times 4=20$ hundreds
$\begin{aligned} & \text { H } \\ & 6\end{aligned} \begin{gathered}\text { T } \\ 4\end{gathered}=24$ thousands

In the multiplier 46, the place value of 4 is tens. Hence, the product should be written from the tens place instead of ones place.
Thus, the teacher cleared Bharani's doubt.

## Try these

Multiply the following numbers
(1) $9,500 \times 2$
(2) $7,426 \times 39$
(3) $9,427 \times 67$
(4) $8,085 \times 94$
(5) $9,707 \times 52$
(6) $354 \times 256$


In a students hostel, the amount spent for the students per day is $₹ 350$. Calculate the amount spent for 30 days.

$$
\begin{aligned}
& \text { Amount spent for one day }=₹ \quad 350 \\
& \text { Amount spent for } 30 \text { days }=₹ \quad 350 \times 30 \\
& \hline ₹ 10,500
\end{aligned}
$$

Thus, ₹ 10,500 is the amount spent for 30 days in a student's hostel.

If the number of tickets sold in a circus on one day is 126, find the number of tickets sold for 16 days.

To find the product of 126 and 16.

$126 \times 10=$| 1,260 |
| ---: |
| $126 \times 6=+\quad 756$ |
| 2,016 |

Thus, 2,016 tickets were sold for 16 days.

The multiplier 16 can be split as $(10+6)$ Hence first find the product of $126 \times 10$ and $126 \times 6$ and then add both of them.

If a multiplier has a number followed by zeros, multiply the number and then add the number of zeros to the right of the answer.

The cost of a ceiling fan is ₹ 735 . Find the cost of 125 ceiling fans?

The price of 1 ceiling fan $=₹ 735$
The price of 125 ceiling fans $=₹ 735 \times 125$

| $735 \times 125$ |
| ---: |
| 3675 |
| 14700 |
| 73500 |
| 91875 |

$735 \times 5=3675$
$735 \times 20=14700$
$735 \times 100=73500$

Thus, cost of 125 ceiling fans is $₹ 91,875$.

Another Method of multiplying 735 and 125.

|  |  | MULTIPLIER |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Place value | 1H (100) | 2T (20) | 50 (5) |  |
| E | 7 H (700) | 70,000 | 14,000 | 3,500 | 87,500 |
| 른 | 3 T (30) | 3,000 | 600 | 150 | 3,750 |
| 2 | $50 \quad$ (5) | 500 | 100 | 25 | 625 |
|  | Total | 73,500 | 14,700 | 3,675 | 91,875 |

## $\mathscr{P}_{\text {ractice }}$ Time

(1) If the cost of 1 litre milk is ₹ 22 , find the cost of 20 litre of milk?
(2) The cost of a folding chair is ₹ 182. Calculate the cost of 25 folding chairs?
(3) The price of a book ₹ 250 . What is the amount needed to buy 40 such books?
(4) A factory produces 285 PVC pipes in a day. How many PVC pipes will it produce in a year, if the factory has 293 working days in the year?
(5) A carton can hold 144 apples. 675 cartons of apples were brought to a market on a day. Find the total number of apples brought to the market on the day?

## Activity

## Magic Square

Fill up the boxes with the numbers from 46 to 54.The numbers should be filled in such a way that the sum in both rows and columns should be 150 .

|  |  | 49 |
| :--- | :--- | :--- |
| 46 |  |  |
|  | 52 | 47 |

Complete this magic square with numbers from 21 to 29 . The sum of both horizontal and vertical boxes should be 75 .

|  |  |  |
| :--- | :--- | :--- |
|  |  |  |
| 21 |  |  |



## Activity

Read the following five statements and choose the appropriate question from the list given for each statement and put a tick $(\checkmark)$ mark against the correct one.
(1) A fruitseller has 50 boxes with 38 fruits in each box.
i) How much of money, he might have spent to buy all the fruits?

ii) How many fruits does the fruit seller have?
iii) What is the selling price of each fruit?
(2) Revathi and Anu bought books for ₹ 47 and ₹ 43 respectively. They gave ₹ 100 to the shop keeper.
i) What is the total number of books in the shop?
ii) What is the balance money given by the shopkeeper?
iii) Does the book-shop have enough stock?
(3) In an Aquarium, there are 15 fish tanks. Each fish tank has got 20 varieties of fishes.
i) Find the total number of fishes in the aquarium?
ii) How many varieties of fishes were sent to other places?
iii) How many persons were there in the Aquarium?
(4) A circus group has 176 members. They stayed in tents, with 8 persons in each tent.
i) How many persons saw the circus?

ii) How many tents were made for the circus group?
iii) How many persons left the circus group?
(5) The shopkeeper has 144 eggs. He puts them in egg trays. Each tray has 12 eggs.
i) How many more eggs will he need?
ii) How many fresh eggs does he sell?
iii) How many egg trays does he need?

## Division

Dhivya's Aunty with her 3 daughters Varsha, Reshma and Priya has come from Delhi to Dhivya's house for Dasara holidays.

Divya's brother Kumar had a doubt in the division of numbers. He clarified his doubt from his sister and cousins. All of them tried the sum separately.

## The sum is $7692 \div 6$

Priya solved by the following method

$$
\begin{aligned}
7692 & =7000+600+90+2 \\
& =6000+1000+600+90+2 \\
& =6000+1600+90+2 \\
& =6000+1200+400+90+2 \\
& =6000+1200+490+2 \\
& =6000+1200+480+10+2 \\
& =6000+1200+480+12
\end{aligned}
$$

Let us share 7692 equally among 6 persons.

$$
\begin{aligned}
7692 \div 6= & (6000 \div 6)+(1200 \div 6) \\
& +(480 \div 6)+(12 \div 6) \\
= & 1000+200+80+2
\end{aligned}
$$

So, the share of each person is 1282.

Varsha solved by this method

$$
\begin{aligned}
7692 & =7 \mathrm{Th}+6 \mathrm{H}+9 \mathrm{~T}+2 \mathrm{O} \\
& =6 \mathrm{Th}+1 \mathrm{Th}+6 \mathrm{H}+9 \mathrm{~T}+2 \mathrm{O} \\
& =6 \mathrm{Th}+16 \mathrm{H}+9 \mathrm{~T}+2 \mathrm{O} \\
& =6 \mathrm{Th}+12 \mathrm{H}+4 \mathrm{H}+9 \mathrm{~T}+2 \mathrm{O} \\
& =6 \mathrm{Th}+12 \mathrm{H}+49 \mathrm{~T}+2 \mathrm{O} \\
& =6 \mathrm{Th}+12 \mathrm{H}+48 \mathrm{~T}+12 \mathrm{O}
\end{aligned}
$$

Let us share 7692 equally among 6 persons

$$
\begin{aligned}
7692 \div 6= & (6 \mathrm{Th} \div 6)+(12 \mathrm{H} \div 6) \\
& +(48 \mathrm{~T} \div 6)+(12 \mathrm{O} \div 6) \\
= & 1 \mathrm{Th}+2 \mathrm{H}+8 \mathrm{~T}+2 \mathrm{O} \\
= & 1282
\end{aligned}
$$

So, the share of each person is 1282 .

Reshma solved by the following method. Let us share 7692 equally among 6 persons.

6 | $500+500+200+80+2$ |
| :--- |
| 7692 |
| 3000 |
| 4692 |
| 3000 |
| 1692 |
| 1200 |
| 492 |
| 480 |
| 12 |
| 12 |
| 0 |

| Dividend | $=$ | 7692 |
| :--- | ---: | ---: |
| Divisor | $=$ | 6 |
| Quotient | $=$ | 1282 |
| Remainder | $=$ | 0 |

## SOI $\forall$ WWヨH $\downarrow \forall W$

Divya solved by this method.
Let us share 7692 equally among 6 persons.
Equal Share


| 7 Th | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


$10 \mathrm{H}+6 \mathrm{H}$| 100 | 100 | 100 | 100 | 100 | 100 |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | 100 | 100 | 100 | 100 | 100 |

Let us change 400 into 40 tens


 $\left.100 \rightarrow$\begin{tabular}{lll|l|l|l|l|l|l|}
10 \& 10 \& 10 \& 10 \& 10 \& 10 \& 10 \& 10 \& 10

 \right\rvert\, 10 

\hline $100 \rightarrow 10$ \& 10 \& 10 \& 10 \& 10 \& 10 \& 10 \& 10 \& 10 \& 10 <br>
\hline
\end{tabular}



All the four got the same answer irrespective of their different methods. Let us follow the steps for solving division problems.

## Step 1

Seven thousands can be split as 1 group of 6 thousands. So, $7 \div 6=1$ thousand, remainder 1 .


## Step 2

Bring down the 6 from the hundreds place and write next to ' 1 '. 16 hundreds split into 2 groups of 6 hundreds. So, $16 \div 6=2$ hundred, remainder 4 .


## Step 3

Bring down the ' 9 ' from the tens place and write next to '4'. 49 tens can be split into 8 groups of 6 tens. So, $49 \div 6=8$ tens, remainder $=1$.


## Step 4

Bring down the ' 2 ' from the ones place and write next to ' 1 '. 12 ones can be split into 2 groups of 6 ones. So, $12 \div 6=2$ ones remainder $=0$.

Therefore, $7692 \div 6=1282$, Remainder $=0$.


In a student's hostel, the amount spent in a week for food was $₹ 4,809$. Find the amount spent for a day.
Amount spent for 7 days $=₹ 4,809$
Amount spent for a day $=₹ 4,809 \div 7$

## Step 1

Divide 4,809 by 7 .

Can you split 4 thousands into groups of 7 thousands? No.
But 48 hundreds can be further split into 6 groups of 7 hundreds.
So, $48 \div 7=6$, Remainder is 6 hundreds.


## Step 2

Bring down the ' 0 ' from the tens place and write next to ' 6 ', split 60 tens as 8 groups of 7 tens.

So, $60 \div 7=8$, Remainder is 4 tens.

## Step 3

Bring down the ' 9 ' from the ones place and write next to 4,49 ones can be split as 7 groups of 7 ones.

So, $49 \div 7=7$, Remainder is 0 .



Hence, money spent for one day $=₹ 687$.


In a factory, the price of 36 bags of poultry food is $₹ 3024$. Find the cost of 1 bag?

Cost of 36 bags of poultry food = ₹ 3024
Cost of 1 bag of poultry food $=₹ 3024 \div 36$
Divide 3,024 by 36.

## Step 1

Can you split 3 thousands into groups of 36 thousands? No.

Can you split 30 hundreds into groups of 36 hundreds? No.
so 302 tens can be split as 8 groups of 36 tens.

| ThH T O |  |  |  |
| :---: | :---: | :---: | :---: |
| 36 |  | 0 | 24 |
|  |  |  |  |
|  |  | 1 | 4 |

$$
\begin{aligned}
& 7 \times 36=252 \\
& 8 \times 36=288 \\
& 9 \times 36=324 \\
& 302 \div 36=8 \text { tens and remainder is } 14
\end{aligned}
$$

## Step 2

Bring down the 4 from the ones place and write next to 14.

144 ones can be split as 4 groups of 36 ones.

$$
\begin{aligned}
& 3 \times 36=108 \\
& 4 \times 36=144 \\
& 5 \times 36=180 \\
& 144 \div 36=4 \text { ones and remainder is } 0
\end{aligned}
$$

Hence, the cost of 1 bag of poultry food is ₹ 84
(1) Divide and find out quotient and remainder for the following sums.
i) $6,005 \div 5$
ii) $3264 \div 3$
iii) $5,697 \div 9$
iv) $9,450 \div 30$
v) $5,150 \div 25$
vi) $6,490 \div 55$
(2) If you arrange 3,375 mangoes in 75 baskets, find the number of mangoes arranged in one basket?

(3) In a fair price shop, the amount of rice sold for 50 days is $13,500 \mathrm{~kg}$. Find the rice sold for 1 day? (in Kg)

(4) In a farm, the number of eggs collected in June is 19,500 . How many eggs were collected on each day in the month of June?

(5) In a post office, stamps worth ₹ 12,750 were sold in 10 days. Calculate the amount of stamps sold for a day?

(6) If a company manufactures 13,365 utensils in 27 days, find out the number of utensils manufactured in a day.


## Worksheet

## Answer the following.

(1) The five digit number is
i) Ten thousand
ii) Thousand forty
iii) Hundred
iv) Ten
(2) The numeral for "six lakhs fifty thousand and forty" is
$\qquad$ .
i) 65,040
ii) $6,50,040$
iii) $6,50,400$
iv) 654
(3) The number name of $6,54,302$ is $\qquad$ .
i) Six lakhs fifty four thousand three hundred and two.
ii) Sixty five thousand four hundred thirty two.
iii) Sixty lakh fifty four thousand three hundred two.
iv) Sixty five lakh four thousand thirty two.
(4) The place value of 7 in 76,543 is $\qquad$ .
i) 7
ii) 70
iii) 70,000
iv) 7,000
(5) 54,302 is equal to $\qquad$ .
i) $5+4+3+0+2$
ii) $5,000+400+30+2$
iii) $50,000+4,000+300+2$
iv) $5,000+4,000+30+2$
(6) The difference between place value of two 6 's in 96,160 is
$\qquad$ .
i) 0
ii) 994
iii) 5,940
iv) 6,000
(7) Form the greatest 5 digit number by using the digits 2,9,5,4 and 6 is $\qquad$ .
i) 24,569
ii) 96,542
lii) 92,456
iv) 95,624
(8) Which is correct?
i) 49,505 is less than 49,550 .
ii) 49,550 is less than 45,950 .
iii) 45,960 is less than 40,965 .
iv) 45,906 is less than 45,609 .
(9) Which is the greatest number?
i) 5,405
ii) 4,505
iii) 5,054
iv) 5,504
(10) In the numeral 75,432 , the digits 5 and 3 are interchanged to get new number. Find the difference between the new number and the given numeral is $\qquad$
i) 1,980
ii) 9,990
iii) 990
iv) 1,890
(11) The difference between the greatest 6 digit and smallest 5 digit number is $\qquad$ .
i) 89,999
ii) $9,89,999$
iii) 10,000
iv) $1,00,999$
(12) The product of 405 and 40 is $\qquad$ .
i) 445
ii) 16,200
lii) 1,620
iv) 1,800
(13) If, 7427 is divided by 7 then the quotient is $\qquad$ .
i) 161
ii) 1,061
iii) 1,006
iv) 1,001 Capacity

Ramu helps his father in a milk depot. The vessels used by him to measure the different capacities of milk are


Even though Ramu knows that the 1 litre ( $l$ )vessel isbigger than the 500 millilitres $(m l)$ vessel, he wants to find the relationship between the two. He poured milk from the jar into the 500 ml measuring vessel till it read 500 ml . He then poured it into the $1 l$ vessel. He noticed that it was not full.

So, he poured one more vessel of 500 ml milk into the $1 l$ vessel.He found that the level of milk in the vessel reached the $1 l$ mark. From this, we observe that $1 l=500 \mathrm{ml}+500 \mathrm{ml}=1000 \mathrm{ml}$

$$
1 \mathrm{l}=1000 \mathrm{ml}
$$

Try to do the above activity with water using $200 \mathrm{ml}, 100 \mathrm{ml}$ vessels and compare their quantities.

Conversion of litres into millilitres \& millilitres into litres


Conversion of litres into millilitres
To convert litres into millilitres, multiply litres by 1000

Convert 2 litres into millilitres

$$
2 l=2 \times 1000=2000 \mathrm{ml}
$$

Complete the table.

| Litre $(l)$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Millilitre <br> $(m l)$ | 1000 | 2000 | 3000 | 4000 |  |  |  |  |  |

Convert $2 l 250 \mathrm{ml}$ into millilitres

$$
\begin{aligned}
& 2 l 250 \mathrm{ml} \quad=2 l+250 \mathrm{ml} \\
& =(2 \times 1000) \mathrm{ml}+250 \mathrm{ml} \\
& = \\
& =2000 \mathrm{ml}+250 \mathrm{ml} \\
& =
\end{aligned}
$$

Convert $5 / 50 \mathrm{ml}$ into millilitres
$5 l 50 \mathrm{ml}=5 \mathrm{l}+50 \mathrm{ml}$
$=(5 X 1000) m l+50 m l$
$=5000 \mathrm{ml}+50 \mathrm{ml}$
$=5050 \mathrm{ml}$

## Try these

Convert the following values into millilitres
i) $3 l$
ii) $1 / 500 \mathrm{ml}$
iii) $8 l$
iv) $6 l 200 \mathrm{ml}$
v) $10 l$
vii) $25 l$

## Conversion of millilitres into litres

To convert millilitres into litres divide millilitres by 1000

Convert 3000 ml into $l$

$$
\begin{aligned}
3000 \mathrm{ml} & =3000 \div 1000 \\
& =3 l
\end{aligned}
$$

Complete the table.

| $m l$ | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 | 9000 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $l$ | 1 | 2 | 3 | 4 |  |  |  |  |  |

Convert 3150 ml into
litres and millilitres.
$3150 \mathrm{ml}=3000 \mathrm{ml}+150 \mathrm{ml}$
$=(3000 \div 1000) l+150 \mathrm{ml}$
$=3 l 150 \mathrm{ml}$

Convert 4500 m into litres and millilitres.

$$
\begin{aligned}
& 4500 \mathrm{ml}=4000 \mathrm{ml}+500 \mathrm{ml} \\
& =(4000 \div 1000) l+500 \mathrm{ml} \\
& =4 \mathrm{l} 500 \mathrm{ml}
\end{aligned}
$$

## Convert the following into litres and millilitres

i) 3500 ml
ii) 4150 ml
iii) 5500 ml
iv) 6200 ml
v) 9050 ml
vi) 9250 ml

## Addition

Meera, Geetha and Priya went to a shop and bought the following things and made a list of them.

| Name | Items |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Milk | Coconut <br> oil | Groundnut <br> oil | Sunflower <br> oil |
| Meera | $2 l 500 \mathrm{ml}$ | 500 ml | $3 l 250 \mathrm{ml}$ | $2 l$ |
| Geetha | $1 l 500 \mathrm{ml}$ | $2 l$ | $1 l$ | 500 ml |
| Priya | 500 ml | 500 ml | $1 l 500 \mathrm{ml}$ | $1 l$ |

From the above list, let us calculate how much of milk was bought by all of them.

| Milk bought by Meera = | $l$ | $m l$ |
| :---: | :---: | :---: |
|  | 2 | 500 |
| Milk bought by Geetha $=+$ | 1 | 500 |
| Milk bought by Priya | 0 | 500 |
|  | 3 | 1500 |

Arrange the given values against $l$ and $m l$ and then add them.
$3 l 1500 \mathrm{ml}=3 l+(1500 \mathrm{ml} \div 1000)=3 l+(1 l 500 \mathrm{ml})=4 l 500 \mathrm{ml}$
Therefore, the quantity of milk bought by all of them $=4 l 500 \mathrm{ml}$

## Activity

From the table given, find out how many litres of coconut oil, groundnut oil and sunflower oil, they bought?

Add 12 l 250 ml and 34 l 800 ml


Add the millilitres.
$250 \mathrm{ml}+800 \mathrm{ml}=1050 \mathrm{ml}$.
Convert it into litres and millilitres. $1050 \mathrm{ml}=1 \mathrm{l} 050 \mathrm{ml}$. Add the litres
$1+12+34=47 l$.

## Try these

Add the following
i) $3 l 250 \mathrm{ml}, 6 l 150 \mathrm{ml}$
ii) $7 l 850 \mathrm{ml}, 9 \mathrm{l} 300 \mathrm{ml}$
iii) $5 l 550 \mathrm{ml}$, 3 l 300 ml
iv) 85 l 450 ml and 70 l 350 ml
v) $20 l 500 \mathrm{ml}$ and $35 l 600 \mathrm{ml}$
vi) 45 l 600 ml and 20 l 500 ml

## Subtraction

A barrel can hold $40 l$ of water and a bucket can hold $5 l$ of water. Jean filled the whole barrel with water. She then took one bucket full of water from the barrel for watering the plants. Can you tell how much of water is left in the barrel?

Capacity of the barrel $=40 l$
Quantity of water used for the plants $=-5 l$
Quantity of water left in the barrel $=35 l$
Therefore, $35 l$ of water is left in the barrel.


To teacher: Similarly, more statement sums can be assigned to students for practice.

Subtract 56 l 350 ml from 75 l 200 ml

To subtract 350 ml from 200 ml , convert $1 l$ into $m l$ and add with $m l$.
$75 l-1 l=74 l$
$1000 \mathrm{ml}+200 \mathrm{ml}=1200 \mathrm{ml}$
$1200 \mathrm{ml}-350 \mathrm{ml}=850 \mathrm{ml}$
Subtract $56 l$ from $74 l$
$74 l-56 l=18 l$

## शु Try these

## Subtract the following

i) $5 l 250 \mathrm{ml}-2 l 150 \mathrm{ml}$
ii) $9 l 200 \mathrm{ml}-3 l 150 \mathrm{ml}$
iii) $9 l 500 \mathrm{ml}-71600 \mathrm{ml}$
iv) 14 l 150 ml from 17 l 450 ml
v) 34 l 400 ml from 84 l 600 ml
vi) 32 l 800 ml from 55 l 750 ml

## Multiplication

John drinks a glass of milk daily both in the morning and evening. The glass can hold 200 ml of milk. Find out the quantity of milk he drinks per day.


Capacity of the cup
Number of cups he drinks
Quantity of milk he drinks per day $=\underline{400 \mathrm{ml}}$

Therefore, he drinks 400 ml per day.

Multiply 3 l 150 ml by 4

| $l$ | $m l$ |
| :---: | :---: |
| 3 | 150 |
| $\times$ | 4 |
| $12 l$ | 600 ml |



Multiply 48 l 200 ml by7

| $l$ | $m l$ |
| ---: | :---: |
| 1 |  |
| 48 | 200 |
| $\times$ | 7 |
| $337 l$ | 400 ml |


| $l \mathrm{ml}$ |  |
| ---: | :--- |
| $200 \mathrm{ml} \times 7=$ | 1400 |
| $48 l \times 7$ | $=\frac{336}{337400}$ |

## Multiply the following

i) $7 l 350 \mathrm{ml}$ by 2
ii) $55 l 400 \mathrm{ml}$ by 5
iii) 35 l 300 ml by 6
iv) $8 l 400 \mathrm{ml}$ by 7
v) $9 l 500 \mathrm{ml}$ by 8
vi) 18 l 200 ml by 9

## Division

Mrs. Lakshmi prepared 400 ml of fruit juice for her children. She shared the juice equally between the two. How much of juice did each one get?

Quantity of juice mother prepared $=400 \mathrm{ml}$
Number of children
$=2$
Quantity of juice each one got $=400 \div 2$
$=200 \mathrm{ml}$
Therefore, each one got 200 ml of juice.


| Quantity of juice mother prepared | $=400 \mathrm{ml}$ |
| :--- | :--- |
|  | $=2$ |
| Number of children | $=400 \div 2$ |
| Quantity of juice each one got | $=200 \mathrm{ml}$ |



Divide $4 l 640 \mathrm{ml}$ by 4
$l \mathrm{ml}$

$4 l 640 \mathrm{ml} \div 4=1 \mathrm{l} 160 \mathrm{ml}$

Divide $64 l 320 \mathrm{ml}$ by 8
$l \mathrm{ml}$

$64 l 320 \mathrm{ml} \div 8=8 l 040 \mathrm{ml}$

Divide $74 l 440 \mathrm{ml}$ by 8
Step1: Divide $74 l \div 8=9 l$, Remainder 2 litres.


Therefore $2 l=2000 \mathrm{ml}$
Step2: Add 2000 ml and 440 ml , now we get 2440 ml
Step3: Divide 2440 ml by 8.
Now we get 305 ml
Hence, the answer is $9 l 305 \mathrm{ml}$


Try these
Divide the following
i) $36 \mathrm{l} 480 \mathrm{ml} \div 6$
ii) $21 \mathrm{l} 420 \mathrm{ml} \div 7$
iii) $40 l 720 \mathrm{ml} \div 8$
iv) $81 \mathrm{l} 540 \mathrm{ml} \div 9 \mathrm{v}) 42 \mathrm{l} 980 \mathrm{ml} \div 14$
vi) $24 l 600 \mathrm{ml} \div 12$
(1) Deepthi poured 350 ml of juice in the first bottle and 750 ml of juice in the second bottle. How much of juice did she pour?
(2) A petrol pump sold $15 \mathrm{l} 500 \mathrm{ml}, 20 \mathrm{l} 100 \mathrm{ml}$ and 50 l 200 ml of petrol to three persons. Find the total quantity of petrol sold?
(3) A shop keeper sold 50 l 500 ml of sunflower oil and 35 l 500 ml of coconut oil. How many litres of oil did he sell?
(4) Mr.David bought $20 l$ of paint. After painting his house he had $4 l$ of paint left.How much paint did he use?
(5) An oil drum contains 60 l of oil in it. If 22 l 500 ml of oil is taken out of it, find how much is left?
(6) Swetha purchased 500 ml of milk. She used 200 ml during the day. How much of milk is left over?
(7) There are two water tanks on the terrace of a building.One tank can hold $90 l$ of water and the other one can hold $20 l$ of water. How much more water can the first tank hold than the second one?
(8) If a jar fills 150 ml of water, find how much of water 4 such jars can fill?
(9) One can can contain $3 l 500 \mathrm{ml}$ of petrol. How much petrol can 8 cans contain?
(10) The capacity of one flask is 1 l 500 ml . What is the total capacity of 9 such flasks?
(11) Geetha poured 500 ml of milk equally into 4 bottles. How much of milk does each bottle hold?
(12) A barrel holds $24 l$ of water. If it is poured equally into 4 buckets, how much of water does each bucket hold?
(13) A can contains 10 l 500 ml of kerosene.If it is poured equally into 5 bottles, how much of kerosene does each bottle hold?
(14) Meera makes 7 l 200 ml of lime juice for her 6 friends. How much will each one get?

## Activity

(1) How many glasses of water do you drink after the various activities you do in a day? Express the quantity in $\boldsymbol{m l} / \boldsymbol{l}$ and fillup the table.

| Activities | Glasses of <br> water | $\mathbf{m l} / \boldsymbol{l}$ |
| :---: | :---: | :---: |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

(2) Find out from your doctor the quantity of water you should drink everyday. Find out for yourself how much more or less water you have taken.

## FunTime

## Secret Numbers

Can you guess the secret number?
It is larger than half of 100
It is more than 7 tens and less than 8 tens
The tens digit is two more than the ones digit
Together the digits have a sum of twelve.
What is the secret number? Find it out.
Write set of clues for a secret number of your own.Then give it to a friend to guess your secret number?

## Volume

Ezhilan at the end of his play, came with a lot of marbles in his hand. His brother Akilan said, "Why do you have so many marbles in your hand". He replied, "I was playing marble game with my friends." Akilan asked his brother, "Let us make a simple measuring glass with these marbles and observe the procedure of making measuring glass."

Akilan took a glass tumbler. He poured some water in the tumbler. Outside
 the glass tumbler, he stuck a white paper. He marked the initial water level as 0 in the white paper.

He took a few similar sized marbles. He dropped one marble inside the tumbler. The water level raised a little, and then he marked the water level as 1 marble ( 1 m ). Similarly, he dropped the other marbles one by one and marked the respective water levels as $2 m, 3 m, 4 m$ and so on

Then he removed all the marbles from the tumbler. The water level came back approximately to 0 level.

Now, observe the simple measuring glass prepared by Ezhilan and Akilan.


Using this measuring glass, we can measure the water level raised by the immersion of different objects which get completely immersed in water.

Ok. Let me drop an eraser in the glass. Akilan said, the water level immediately raised to approximately 2 m level.

Then he dropped an iron piece in the glass. Since the iron piece is bigger in size the water level raised upto approximately 4 m level

Ezhilan dropped various objects like lemon, onion, potato and coins in the measuring glass and noted down the water level accordingly.


Before you drop each object in the measuring glass ensure that the water level should be at 0 level.

## Group Activity



Prepare a measuring glass yourself, drop different objects into it and mark the water level as given in the above guidelines.

Fill up the given table.

| Things | Water Level |
| :--- | :--- |
|  |  |
|  |  |
|  |  |
|  |  |

## Shall we arrange the match boxes

In the following each diagram pattern, count the number of match boxes and write in the given box.
1)

$\square$

## MATHEMATICS



## Arrangement of Bricks

Different arrangement patterns with bricks are given below. Find the number of bricks used and write in the given box.
1)

2)

3)


Eventhough, they differ in pattern, their volume is same.


Arrange some more different patterns with 9 bricks.

## Forming Solid Shapes

## MATHEMATICS

Observe the patterns given below. Count the number of match boxes and write it. Also count the number of match boxes required to complete the solid shape. Then, count the total number of match boxes present in the full solid shape.


Find the number of match boxes in each figure by counting them and write it in the box given below.


## MATHEMATICS

## 5

## Time

What time does each clock show?


Draw the hands of the clocks for the time given below:


Anand travelled from Chennai to Kanniyakumari by bus. He noted that the time of departure and the time of arrival at various places. Observe the time schedule and answer the question given below.

| Name of the <br> Places | Time of <br> arrival | Time of <br> departure |
| :--- | :---: | :---: |
| Chennai | - | 06:30 a.m |
| Tambaram | 07:25 a.m | 07:30 a.m |
| Tindivanam | 09:45 a.m | 09:55 a.m |
| Villupuram | 11:05 a.m | 11:15 a.m |
| Trichy | 02:10 p.m | 02:40 p.m |
| Madurai | 04:55 p.m | 05:05 p.m |
| Virudhunagar | 05:55 p.m | $06: 00$ p.m |
| Tirunelveli | 08:10 p.m | $08: 20$ pm |
| Kanniyakumari | 09:35 p.m | - |



Time of departure at Tambaram
Time of arrival at Tambaram
The duration of time, the bus stopped $\}$ at Tambaram $\}$
$=\quad 7: 30 \mathrm{a} \cdot \mathrm{m}$
$=-7: 25$ a.m
$=0: 05$ minutes
Usually it is read as 5 minutes
What is the time taken to travel from Madurai to Virudunagar?

Time of arrival at Virudhunagar =
Time of departure from Madurai $=$
Time travelled
Find the travelling time from Tindivanam to Villupuram.

| Arrival time at Villupuram | $=$ | 11 | 05 |
| :--- | :--- | ---: | :--- |
| a.m |  |  |  |
| Departure time from Tindivanam | $=-09$ | 55 a.m |  |

Travelling time $=$

Note: Hour
Minutes

| $(11-1)=10$ | $(60+5=65)$ |
| ---: | ---: |
|  | 05 |
| -09 | 55 |
| 1 | 10 |
|  | $=1 \mathrm{hr} \mathrm{10} \mathrm{min}$ |

Travelling time from Tindivanam to Villupuram = 1 hr 10 min .

## SכI $\forall$ WĐヨH $\downarrow$ W

Find the travelling time from Chennai to Villupuram.
Arrival time at Villupuram =
Departure time at Chennai= Travelling time = Practice Sime

Using the travelling schedule, find the answers for the following:

1) Calculate the travelling time from Madurai to Kanyakumari.
2) How long did the bus stop at Madurai?
3) Find the travelling time from Trichy to Tirunelveli.


Hence, the travelling time from Villupuram to Tirunelveli is 8 hr 55 min .

## $\mathscr{P}_{\text {ractice }} \mathscr{S i m e}^{\text {ime }}$

Using the travelling schedule, find the answers for the following:

1) Find the travelling time from Tindivanam to Madurai.
2) Calculate the travelling time from Chennai to Kanniyakumari.
3) Find out the travelling time from Villupuramto Virudhunagar.

Joseph has noted his one day schedule in his diary. Find out the time duration for each of his activity.

| Activity | From | To | Time DurationHr Min |  |
| :---: | :---: | :---: | :---: | :---: |
| In the morning |  |  | 1 | 30 |
| Gets up | 6:00 a.m |  |  |  |
| Bathing | 6:00 a.m | 6:50 a.m |  |  |
| Prayer | 6:50 a.m | 7:00 a.m |  |  |
| Study time | 7:00 a.m | 8:30 a.m |  |  |
| Break fast | 8:30 a.m | 8:45 a.m |  |  |
| Going to school | 8:45 a.m | 9:00 a.m |  |  |
| At School |  |  | 312 |  |
| Morning Prayer | 9:20 a.m | 9:30 a.m |  | $\begin{aligned} & 10 \\ & 20 \\ & 10 \end{aligned}$ |
| Forenoon school time | 9:30 a.m | 12:40 p.m |  |  |
| Lunch break | 12:40 p.m | 2:00 p.m |  |  |
| Afternoon school time | 2:00 p.m | 4:10 p.m |  |  |
| Evening prayer | 4:10 p.m | 4:20 p.m |  |  |
| In the evening |  |  | 0 | 4545 |
| Playing games | 4:30 p.m | 6:00 p.m |  |  |
| Home work | 6 : 00 p.m | 6:45 p.m |  |  |
| Study time | 6:45 p.m | 7:30 p.m |  |  |
| Watching T.V | 7:30 p.m | 8:15 p.m |  |  |
| Dinner | 8:15 p.m | 8:30 p.m |  |  |
| Goes to bed | 8:30 p.m | - |  |  |



|  | 1 Hr Min Add the Minutes |
| :---: | :---: |
|  | Forenoon study time $=130345+45+30=120 \mathrm{~min}$ |
|  | Evening study time $=045$ Convert the minutes into hour |
|  | Time taken to complete $\}=+0 \quad 45 \quad \begin{gathered}120 \div 60=2 \mathrm{Hrs}\end{gathered}$ |
|  | is home work $2+1=3$ Hrs |
|  | Total time $=300$ |

So, time taken to study and complete his home work at home is 3 hrs .

## Try these

(From the Joseph's diary)

1. Get the total time taken for finishing breakfast and dinner.
2. Calculate the total time taken for prayer at home and at school.
3. Find the time taken for playing and watching T.V?

4. A departmental store, stopped the sale of goods from 1:30 p.m to 4:00 p.m. How long were goods not sold at the store?
5. An overhead tank takes 2 hrs 50 min to get it completely filled up. It takes 3 hrs 45 min to distribute water to all the houses. Find out the time required for the tank to fill up twice completely and distribute it to all the houses?
6. An exhibition in a school started at 10:30 a.m and ended at 3:00 p.m. Find the time duration of the exhibition.

## Activity



Carefully, observe the time sequence shown by the watches in each row. Find the time for the last four watches in each row.


## MATHEMATICS

## Money



Naveen opened his filled up savings box. He found the currency notes and coins. They were as follows.


Number of 10 Rupee notes - 25
Number of 5 Rupee coins - 40
Number of 1 Rupee coins - 150
Number of 20 Rupee notes - 10
Number of 100 Rupee notes - 4
Number of 50 Rupee notes - 8
Number of 2 Rupee coins - 45

## Activity Shall we count the total value of his savings?

| Value of 100 Rupee Notes | $100 \times 4$ | 400 |  |
| :--- | :--- | :--- | :---: |
| Value of | 50 Rupee Notes |  |  |
| Value of | 20 Rupee Notes |  |  |
| Value of | 10 Rupee Notes |  |  |
| Value of | 5 Rupee coins |  |  |
| Value of | 2 Rupee Coins | $2 \times 45$ | 90 |
| Value of | 1 Rupee Coins |  |  |

Total
Total value is

## Activity

He distributed ₹ 550 to his sister Radha.
(i) Find out 3 possible denominations of arriving at ₹ 550.

One example is given to you

| Number of denominations |  |  |  |  | Amount |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $₹ 50$ | x | 5 | $=$ | $₹$ | 250.00 |
| ₹ 10 | x | 20 | $=$ | ₹ | 200.00 |
| ₹ 2 | $\times$ | 30 | $=$ | ₹ | 60.00 |
| ₹ 1 | x | 40 | = | ₹ | 40.00 |
|  |  | Total | $=$ | ₹ | 550.00 |

(ii) How much money is left with him?

Remember
$₹ 1=100$ paise

## Addition

Find the total amount of $₹ 37.50$, ₹ 473.75 , ₹ $6,076.50$ and ₹ 9.50 .

|  | 122 |
| :--- | ---: |
| $₹$ | 37.50 |
| $₹$ | 473.75 |
| $₹$ | $6,076.50$ |
| $₹$ | 9.50 |
| $₹$ | $6,597.25$ |

Add the paise

$$
50+50+75+50=225 \text { paise }
$$

Convert the paise into ₹
$225 \div 100=₹ 2$ and 25 paise
Add the ₹

$$
9+6076+473+37+2=₹ 6,597
$$

## Try these

1) Answer the following:
i) $₹ 645.75+₹ 760.50+₹ 135.50$
ii) ₹ 4375.50 + ₹ $8436.50+₹ 9647.75$
2) Find the total amount.
i) ₹ 8000.50 , ₹ 6366.50 and ₹ 2322.50
ii) ₹ 9600.50 , ₹ 35.50 and ₹ 205.50


The total value of sales for 3 days is ₹ $1,394.25$

## Subtraction



Subtract ₹ 739.75 from ₹ $5,269.50$


$$
\begin{aligned}
& \text { When we subtract } 75 \text { paise from } \\
& 50 \text { paise convert } ₹ 1 \text { into paise add } \\
& \text { with } 50 \text { paise and then subtract. } \\
& \begin{aligned}
5269-1 & =₹ 5268 \\
₹ 1 & =100 \text { paise } \\
100+50 & =150 \text { paise } \\
150-75 & =75 \text { paise }
\end{aligned}
\end{aligned}
$$

Subtract the ₹

$$
5268-739=₹ 4529
$$

## Try these

(1) Find the answer:
i) ₹ 684.75 - ₹ 294.50
ii) ₹ 188.00 - ₹ 88.00
iii) ₹ $6,846.50$ - ₹ 436.75
(2) Subtract ₹ 1984.75 from ₹ 2144.50
(3) Find the difference between ₹ 12.75 and ₹ 6888.50


The cost of 7 pens is $₹ 108.50$

To teacher: Similarly, more statement sums can be assigned to students for practice.

Multiply the paise

$$
50 \times 7=350 P
$$

Convert into Rupees

$$
350 \div 100=₹ 3.50
$$

Multiply the Rupees

$$
15 \times 7=₹ 105
$$

Add the Rupees with the Rupees

$$
3+105=₹ 108
$$

Division


Find the answer
i) $₹ 787.50 \div 5$
ii) $₹ 24.00 \div 6$
iii) $₹ 7286.00 \div 8$
iv) $₹ 6529.50 \div 9$
v) ₹ $4375.50 \div 25$

Divide the ₹
$6834 \div 12$ = ₹ 569

60

$$
83
$$

72

$$
114
$$



Convert the remainder ₹ 6 into paise and add with 00 paise

$$
6 \times 100=600 \text { paise }
$$

$$
600+00=600 \text { paise }
$$

Divide the paise

$$
600 \div 12=50 \text { paise }
$$



## Educational Tour

H.M. : Dear students, we have planned to go on an educational trip next week .
Students: How many students can participate sir? How much money weneed to pay?
H.M. : Each one should pay ₹ 175 and only 55 students can participate.

If each student pays ₹ 175 , how much money can be collected from 55 students?

| Money collected from 1 student | $=₹ 175$ |
| ---: | :--- |
| Money collected from 55 students | $=₹ 175 \times 55$ |
| Total | $=₹$ |

Students successfully completed their educational tour.
H.M. : Dear students, was the trip useful to you?

Students: Yes Sir.
H.M. : Do you know the total expenditure of the trip?

Students : We are eagerly waiting to know about the expenditure sir?
H.M : We spent ₹ 4925 towards hiring the bus, ₹ 2250 for food and ₹ 1350 for other expenses. Can you calculate the total expenditure?

$$
\begin{aligned}
\text { Bus fare } & =₹ 4925 \\
\text { Food } & =₹ 2250 \\
\text { Other expense } & =₹ 1350 \\
\text { Total expenditure } & =₹
\end{aligned}
$$

H.M. : Can you calculate the balance money?

| Money collected | $=₹$ |
| ---: | :--- |
| Money spent | $=₹$ |
| Money left | $=₹$ |

Students: What shall we do with the balance money sir?
H.M. : I am going to distribute the remaining money to all the 55 students. Can you guess how much money will each one get?

$$
\begin{aligned}
\text { Balance money } & =₹ \\
\text { Amount to be given to each student } & =₹ \div 55 \\
\text { Each one gets } & =₹
\end{aligned}
$$

## Note

In this incident, we have used all the four fundamental operations such as addition, subtraction, multiplication and division.

You can also think of such incidents and create problems.

## (O) frame

(1) Praveen earns ₹ 16,500 per month. He spent ₹ 1,750 for rent, $₹ 500$ for entertainment and ₹ 2,300 for children's education and spent the remaining money for food and savings. How much money did he spend for food and savings?
(2) A person bought a Computer for ₹ 24,500, refrigerator for $₹ 12,750$, and a washing machine for $₹ 12,525$ in a shop. He gave ₹ 50,000 to the shop keeper. How much money he can get back from the shop keeper?
(3) Shankar bought 6 apples each costing ₹ 12 and 12 oranges each costing ₹ 3.50 . He gave ₹ 200 to the fruits-seller. How much amount will he get back?
(4) Arul saves ₹ 3,540 every month in a bank for one year. At the end of the year, he distribute the sum equally to his three daughters. How much will each daughter get?

## MATHEMATICS

## Activity

Five friends went to a textile shop. Each person had ₹ 1,000. Each one wanted to buy any three things mentioned below for ₹ 1,000 . Guess the things bought by them and fill up the blanks.


## Work Sheet

## Answer the following.

(1) Kavitha made 10 l 500 ml of juice for her 10 friends, then each friend gets $\qquad$ .
i) $1 l 500 \mathrm{ml}$
ii) 1 l 50 ml
iii) $105 l$
iv) $1000 l$
(2) Rama went to bed at 10 p.m. And she woke up 6.30 a.m. She slept for $\qquad$ hours.
i) $6 \frac{1}{2} \mathrm{hrs}$.
ii) $4 \frac{1}{2} \mathrm{hrs}$.
iii) $5 \frac{1}{2} \mathrm{hrs}$.
iv) $8 \frac{1}{2} \mathrm{hrs}$.
(3) A train starts at 3 p.m. And reaches Kanniyakumari the next day at $9 \mathrm{a} . \mathrm{m}$. The time taken by the train will be $\qquad$ .
i) 6 hrs .
ii) 9 hrs .
iii) 12 hrs .
iv) 18 hrs .
(4) The correct time for 75 minutes after 3 p.m. is $\qquad$ .
i) $3: 45 \mathrm{p} . \mathrm{m}$.
ii) $3: 75$ p.m.
iii) 4 : 15 p.m.
iv) $4: 75 \mathrm{p} . \mathrm{m}$.
(5) A four hour film ends at $5: 15 \mathrm{p} . \mathrm{m}$. The film started at
I) $9: 15 \mathrm{p} . \mathrm{m}$.
ii) $1: 15 \mathrm{p} . \mathrm{m}$.
iii) $9: 15$ a.m.
iv) 1:15 a.m.
(6) Sekar spent ₹ 15.00 for four note books and ₹ 3.50 for two pencils. The total amount spent by Sekar is $\qquad$ .
i) ₹ 67.00
ii) ₹ 18.50
iii) ₹ 37.00
iv) ₹ 60.00
(7) From the figure, the number of match boxes are $\qquad$ .
i) 8
ii) 5
iii) 4
iv) 7

## 'I can, I did'

## Student's Activity Record

Subject :

| S.No | Date | Lesson No. | Topic of the <br> Lesson | Activities | Remarks |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

