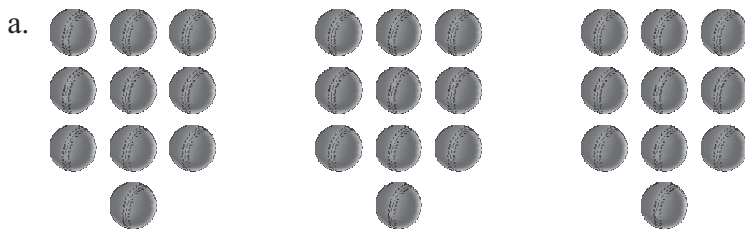


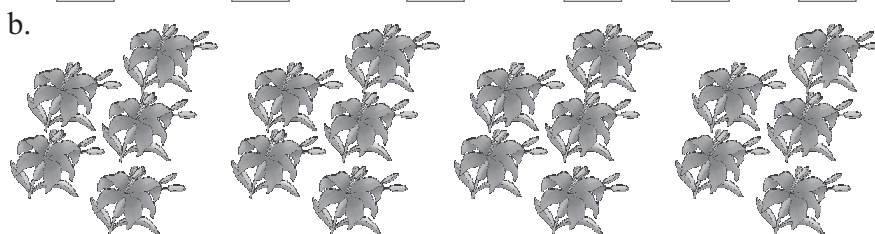
## Worksheet

### Revision

#### 1. Do the sums and then write the product :



$$\boxed{10} + \boxed{10} + \boxed{10} = \boxed{10} \times \boxed{3} = \boxed{30}$$



$$\boxed{5} + \boxed{5} + \boxed{5} + \boxed{5} = \boxed{5} \times \boxed{4} = \boxed{20}$$



$$\boxed{3} + \boxed{3} + \boxed{3} = \boxed{3} \times \boxed{3} = \boxed{9}$$

#### 2. Fill in the blanks :

a.  $10 \times 1 = 10$

b.  $4 \times 5 = 20$

b.  $5 \times 0 = 0$

d.  $10 \times 3 = 30$

c.  $6 \times 1 = 6$

f.  $7 \times 1 = 7$

d.  $7 \times 2 = 14$

h.  $6 \times 2 = 12$

## 5. Division

### Exercise

#### Look at the pictures. Fill in the blanks under them :

- 8 rabbits are shared equally among 2 brothers. Each brother gets 4 rabbits.
- 12 flags are divided into 6 equal groups. Each group has 2 flags.
- 6 fish are shared among 3 children. Each child gets 2 fish.

## Division as Repeated Subtraction

### Exercise

Divide the following by repeated subtraction :

- a. 12 books among 3 children

$$12 - 3 = 9 \quad 1 \text{ time}$$

$$9 - 3 = 6 \quad 2 \text{ time}$$

$$6 - 3 = 3 \quad 3 \text{ time}$$

$$3 - 3 = 0 \quad 4 \text{ time}$$

$$\text{So, } 12 \div 3 = 4$$

- b. 20 erasers among 5 children

$$20 - 5 = 15 \quad 1 \text{ time}$$

$$15 - 5 = 10 \quad 2 \text{ time}$$

$$10 - 5 = 5 \quad 3 \text{ time}$$

$$5 - 5 = 0 \quad 4 \text{ time}$$

$$\text{So, } 20 \div 5 = 4$$

- c. 16 dresses among 4 girls

$$16 - 4 = 12 \quad 1 \text{ time}$$

$$12 - 4 = 8 \quad 2 \text{ time}$$

$$8 - 4 = 4 \quad 3 \text{ time}$$

$$4 - 4 = 0 \quad 4 \text{ time}$$

$$\text{So, } 16 \div 4 = 4$$

- d. 8 pencils among 2 children

$$8 - 2 = 6 \quad 1 \text{ time}$$

$$6 - 2 = 4 \quad 2 \text{ time}$$

$$4 - 2 = 2 \quad 3 \text{ time}$$

$$2 - 2 = 0 \quad 4 \text{ time}$$

$$\text{So, } 8 \div 2 = 4$$

- e. 12 apples among 4 children

$$12 - 4 = 8 \quad 1 \text{ time}$$

$$8 - 4 = 4 \quad 2 \text{ time}$$

$$4 - 4 = 0 \quad 3 \text{ time}$$

$$\text{So, } 12 \div 4 = 3$$

- f. 15 birds on 5 branches

$$15 - 5 = 10 \quad 1 \text{ time}$$

$$10 - 5 = 5 \quad 2 \text{ time}$$

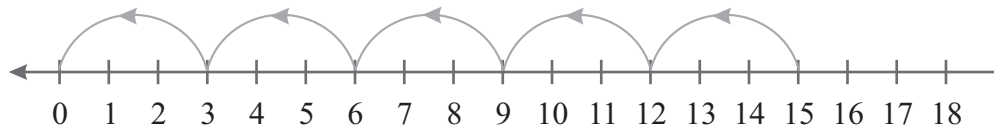
$$5 - 5 = 0 \quad 3 \text{ time}$$

$$\text{So, } 15 \div 5 = 3$$

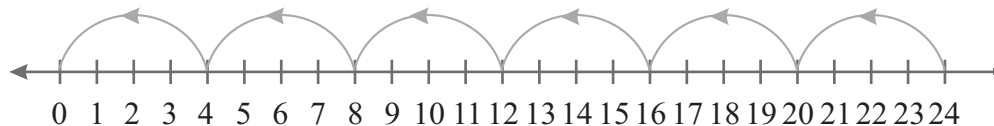
## Division on Number Line

### Exercise

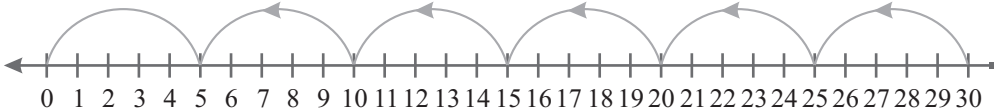
- a.  $15 \div 3 = 5$



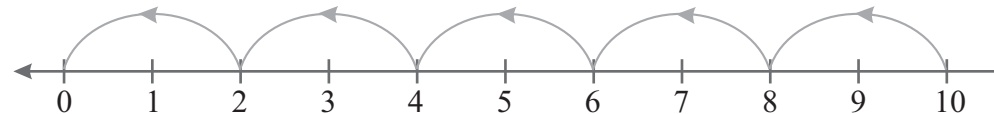
- b.  $24 \div 4 = 6$



- c.  $30 \div 5 = 6$



- d.  $10 \div 2 = 5$



## Relation between Multiplication and Division

### Exercise

1. Write two division facts for each multiplication fact :

Multiplication Fact	Division Fact	Division Fact
$3 \times 8 = 24$	$24 \div 8 = 3$	$24 \div 3 = 8$
$5 \times 9 = 45$	$45 \div 9 = 5$	$45 \div 5 = 9$
$4 \times 8 = 32$	$32 \div 8 = 4$	$32 \div 4 = 8$
$3 \times 9 = 27$	$27 \div 9 = 3$	$27 \div 3 = 9$
$3 \times 6 = 18$	$18 \div 6 = 3$	$18 \div 3 = 6$
$5 \times 8 = 40$	$40 \div 5 = 8$	$40 \div 8 = 5$
$3 \times 5 = 15$	$15 \div 5 = 3$	$15 \div 3 = 5$
$5 \times 10 = 50$	$50 \div 10 = 5$	$50 \div 5 = 10$
$4 \times 9 = 36$	$36 \div 9 = 4$	$36 \div 4 = 9$
$7 \times 3 = 21$	$21 \div 7 = 3$	$21 \div 3 = 7$

2. Divide the following :

$$18 \div 2 = 9 \quad 20 \div 5 = 4 \quad 4 \div 4 = 1 \quad 12 \div 3 = 4$$

$$24 \div 4 = 6 \quad 36 \div 4 = 9 \quad 14 \div 7 = 2 \quad 8 \div 2 = 4$$

3. Use the multiplication table of 2 and divide :

$$14 \div 2 = 7 \quad 18 \div 2 = 9 \quad 12 \div 2 = 6$$

$$10 \div 2 = 5 \quad 16 \div 2 = 8$$

4. Use the multiplication table of 3 and divide :

$$3 \div 3 = 1 \quad 27 \div 3 = 9 \quad 24 \div 3 = 8$$

$$15 \div 3 = 5 \quad 21 \div 3 = 7$$

### Long Division

1. Complete the blanks :

a. Write  $35 \div 5 = 7$  in the long form.

$$\begin{array}{r} 7 \\ 5 \overline{) 35} \\ \underline{- 35} \\ 0 \end{array}$$

b. Write  $\frac{7}{4} 28$  in short form.

$$28 \div 4 = 7$$

c. In the sum,  $18 \div 3 = 6$  Dividend = **18** Divisor = **3** Quotient = **6**

d. Dividend = **Divisor**  $\times$  **Quotient**

e. The division fact of  $12 \div 2 = 6 \times 2 = 2 \times 6$

2. Solve the following :

a. 
$$\begin{array}{r} 6 \\ 5 \overline{) 30} \\ \underline{- 30} \\ 0 \end{array}$$

b. 
$$\begin{array}{r} 7 \\ 2 \overline{) 14} \\ \underline{- 14} \\ 0 \end{array}$$

c. 
$$\begin{array}{r} 8 \\ 3 \overline{) 24} \\ \underline{- 24} \\ 0 \end{array}$$

d. 
$$\begin{array}{r} 4 \\ 4 \overline{) 16} \\ \underline{- 16} \\ 0 \end{array}$$

e. 
$$\begin{array}{r} 7 \\ 4 \overline{) 28} \\ \underline{- 28} \\ 0 \end{array}$$

f. 
$$\begin{array}{r} 7 \\ 5 \overline{) 35} \\ \underline{- 35} \\ 0 \end{array}$$
 g. 
$$\begin{array}{r} 9 \\ 4 \overline{) 36} \\ \underline{- 36} \\ 0 \end{array}$$
 h. 
$$\begin{array}{r} 8 \\ 5 \overline{) 40} \\ \underline{- 40} \\ 0 \end{array}$$
 i. 
$$\begin{array}{r} 8 \\ 2 \overline{) 16} \\ \underline{- 16} \\ 0 \end{array}$$
 j. 
$$\begin{array}{r} 5 \\ 3 \overline{) 15} \\ \underline{- 15} \\ 0 \end{array}$$

3. Solve and check your answer. One has been done for you.

b. 
$$\begin{array}{r} 6 \\ 4 \overline{) 24} \\ \underline{- 24} \\ 0 \end{array}$$
 c. 
$$\begin{array}{r} 9 \\ 5 \overline{) 45} \\ \underline{- 45} \\ 0 \end{array}$$
 d. 
$$\begin{array}{r} 8 \\ 4 \overline{) 32} \\ \underline{- 32} \\ 0 \end{array}$$
 e. 
$$\begin{array}{r} 9 \\ 6 \overline{) 54} \\ \underline{- 54} \\ 0 \end{array}$$
 f. 
$$\begin{array}{r} 7 \\ 4 \overline{) 28} \\ \underline{- 28} \\ 0 \end{array}$$

Check :  $4 \times 6 = 24$

Check :  $5 \times 9 = 45$

Check :  $4 \times 8 = 32$

Check :  $6 \times 9 = 54$

Check :  $4 \times 7 = 28$

### Word Problems

#### Exercise

1. Solve the following :

a. 7 apples 
$$\begin{array}{r} 7 \\ 3 \overline{) 21} \\ \underline{- 21} \\ 0 \end{array}$$
 b. 6 toffees 
$$\begin{array}{r} 6 \\ 2 \overline{) 12} \\ \underline{- 12} \\ 0 \end{array}$$
 c. 5 pencils 
$$\begin{array}{r} 5 \\ 4 \overline{) 20} \\ \underline{- 20} \\ 0 \end{array}$$

2. Write the sum and find the answer :

a. 10 children 
$$\begin{array}{r} 10 \\ 3 \overline{) 30} \\ \underline{- 30} \\ 0 \end{array}$$
 b. 4 flower plants 
$$\begin{array}{r} 4 \\ 4 \overline{) 16} \\ \underline{- 16} \\ 0 \end{array}$$
 c. 10 flowers in each vase 
$$\begin{array}{r} 10 \\ 5 \overline{) 50} \\ \underline{- 50} \\ 0 \end{array}$$

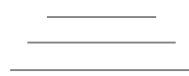


d. she need 7 containers 
$$\begin{array}{r} 7 \\ 4 \overline{) 28} \\ \underline{- 28} \\ 0 \end{array}$$
 e. 9 marbles 
$$\begin{array}{r} 9 \\ 3 \overline{) 27} \\ \underline{- 27} \\ 0 \end{array}$$

## 6. Geometry

#### Exercise

Solve these addition sums :

a. 

horizontal lines 	vertical lines 	slanting lines 
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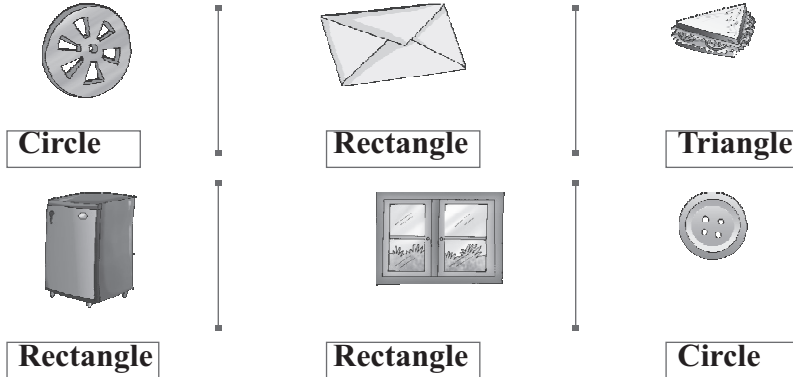
b. Horizontal lines 6  
Vertical lines 7

Slanting lines 3

## Plane Shapes

### Exercise

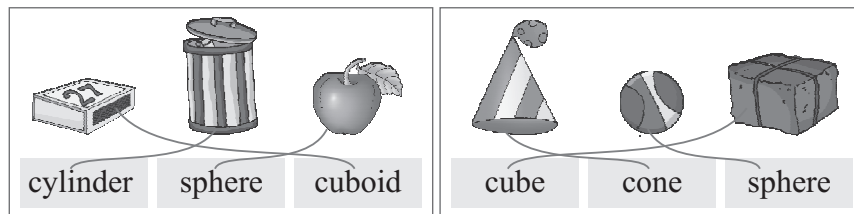
What shapes are these?



## Solid Shapes

### Exercise

1. Match the shape to its name :



2. Fill in the blanks. Take help from the word box :

- A **Square** has all four sides equal.
- A **ball** is an example of a sphere.
- A **triangle** has three sides.
- A tubelight has a **cylindrical** shape.
- Opposite sides of a **Rectangle** are equal.
- We eat an ice-cream in a **cone**.
- A **circle** has no sides.

3. Count and Write :

- 5
- 9
- 8

## Formative Assesement-2

1. Multiply :

- $$\begin{array}{r} 323 \\ \times 3 \\ \hline 969 \end{array}$$
- $$\begin{array}{r} 201 \\ \times 4 \\ \hline 804 \end{array}$$
- $$\begin{array}{r} 124 \\ \times 2 \\ \hline 248 \end{array}$$

2. Divide:

a. 
$$\begin{array}{r} 9 \\ 3 \overline{) 27} \\ \underline{-27} \\ \times \end{array}$$

b. 
$$\begin{array}{r} 8 \\ 4 \overline{) 32} \\ \underline{-32} \\ \times \end{array}$$

c. 
$$\begin{array}{r} 7 \\ 5 \overline{) 35} \\ \underline{-35} \\ \times \end{array}$$

3. Fill in the boxes with the help of multiplication facts :

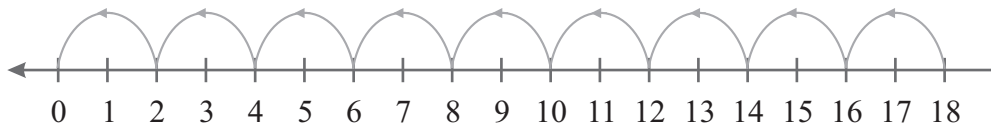
a.  $9 \times 2 = 2 \times 9 = 18$

b.  $4 \times 5 = 5 \times 4 = 20$

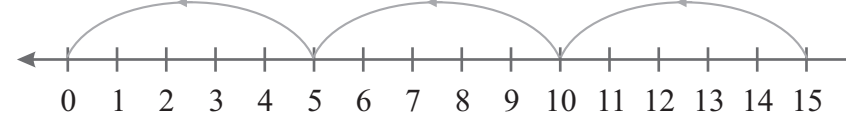
c.  $4 \times 8 = 8 \times 4 = 32$

4. Show the division fact on the number line :

a.  $18 \div 2 = 9$



b.  $15 \div 3 = 5$



5. Fill in the blanks :

a. A **Circle** has no sides

b. Opposite sides of a **Rectangle** are equal.

### Summative Assessment-1

1. Arrange in ascending order :

a.  $98 < 103 < 105 < 119 < 120 < 126 < 130 < 145$

b.  $89 < 95 < 109 < 118 < 125 < 132 < 142 < 160$

2. Arrange in descending order :

a.  $200 > 198 > 197 > 189 > 181 > 179 > 165 > 156$

b.  $140 > 138 > 135 > 129 > 124 > 115 > 107 > 97$







3. Points scored Ist day = 36

Points scored IIInd day = 32

Points scored IIIrd day = + 31

Total Points **99**

4. Match the shape to its name :

					
cylinder	sphere	cuboid	cube	cone	sphere



**5. Multiply by repeated addition :**

- a.  $3+3+3=3 \times 3=9$   
 b.  $4+4+4+4+4+4=4 \times 6=24$   
 c.  $2+2+2+2+2+2+2+2=2 \times 8=16$

6. Chairs in 5 hall =  $\begin{array}{r} 142 \\ \times \quad 5 \\ \hline 710 \end{array}$

7. (a)  $28 \div 4 = 7$   

$$\begin{array}{r} 7 \\ 4 \overline{) 28} \\ \underline{-28} \\ \times \end{array}$$

(b)  $27 \div 3 = 9$   

$$\begin{array}{r} 9 \\ 3 \overline{) 27} \\ \underline{-27} \\ \times \end{array}$$

(c)  $54 \div 6 = 9$   

$$\begin{array}{r} 9 \\ 6 \overline{) 54} \\ \underline{-54} \\ \times \end{array}$$

**8. Write the shape of the following :**

- a. A carrot **cone**  
 b. A matchbox **cuboid**  
 c. A dice **cube**

**9. Fill in the missing numbers :**

- a.  $590 = 500 + 90 + 0$     b.  $386 = 300 + 80 + 6$     c.  $123 = 100 + 20 + 3$

**10. Each child get  $36 \div 4$  balloons :**

$$\begin{array}{r} 9 \\ 4 \overline{) 36} \\ \underline{-36} \\ \times \end{array}$$

each child get 9 balloons

11. Horizontal lines **6**                      Vertical lines **7**                      Slanting lines **3**
12. a.  $8 \times 5 = 40$                       b.  $4 \times 3 = 12$                       c.  $4 \times 6 = 24$   
 d.  $8 \times 6 = 48$                       e.  $7 \times 1 = 7$                       f.  $5 \times 8 = 40$   
 g.  $8 \times 4 = 32$                       h.  $6 \times 7 = 42$                       i.  $1 \times 3 = 3$   
 j.  $8 \times 8 = 64$                       k.  $2 \times 8 = 16$                       l.  $7 \times 4 = 28$

## 7 Measuring Length

**Standard Units of Measurement**

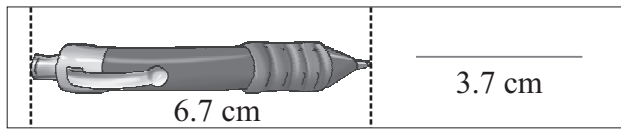
Guess <b>5</b> cm	Guess <b>4</b> cm	Guess <b>4</b> cm
Measure <b>6</b> cm	Measure <b>3</b> cm	Measure <b>4.3</b> cm

**Exercise**

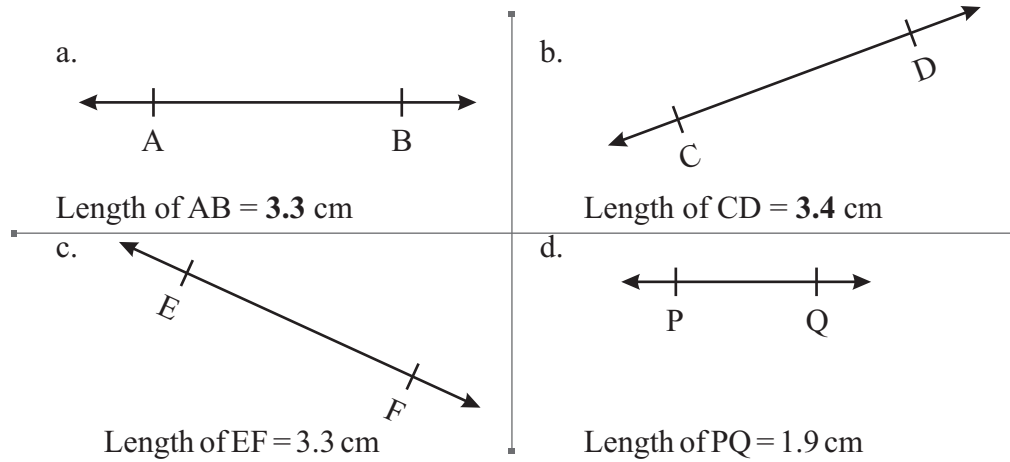
1. Look at this scale and write the length of each of these objects :  
 a. 2.5 cm    b. 4.5 cm    c. 6.5 cm    d. 7.8 cm    e. 11.5 cm



2. Look at this scale and write the length of each of these objects :



3. Find the lengths of these lines segments :



4. How would you measure the following? Write m or cm :

- |                                |                                      |
|--------------------------------|--------------------------------------|
| a. Your height <b>m</b>        | b. Thickness of a book <b>cm</b>     |
| c. Height of a pole <b>m</b>   | d. Length of a book <b>cm</b>        |
| e. Length of a ribbon <b>m</b> | f. Length of your trousers <b>cm</b> |

### Addition of Length

#### Exercise

1. Find the sum :

a. $\begin{array}{r} 654\text{ m} \\ + 133\text{ m} \\ \hline 787\text{ m} \end{array}$	b. $\begin{array}{r} 54\text{ m} \\ + 43\text{ m} \\ \hline 97\text{ m} \end{array}$	c. $\begin{array}{r} 332\text{ m} \\ + 247\text{ m} \\ \hline 579\text{ m} \end{array}$	d. $\begin{array}{r} 38\text{ m} \\ + 40\text{ m} \\ \hline 78\text{ m} \end{array}$	e. $\begin{array}{r} 57\text{ m} \\ + 42\text{ m} \\ \hline 99\text{ m} \end{array}$	f. $\begin{array}{r} 37\text{ cm} \\ + 51\text{ cm} \\ \hline 88\text{ cm} \end{array}$
g. $\begin{array}{r} 353\text{ cm} \\ + 234\text{ cm} \\ \hline 587\text{ cm} \end{array}$	h. $\begin{array}{r} 215\text{ cm} \\ + 134\text{ cm} \\ \hline 349\text{ cm} \end{array}$	i. $\begin{array}{r} \text{m} \quad \text{cm} \\ 56 \quad 33 \\ + 12 \quad 43 \\ \hline 68 \quad 76 \end{array}$	j. $\begin{array}{r} \text{m} \quad \text{cm} \\ 5 \quad 60 \\ + 6 \quad 18 \\ \hline 11 \quad 78 \end{array}$	k. $\begin{array}{r} \text{m} \quad \text{cm} \\ 43 \quad 67 \\ + 41 \quad 22 \\ \hline 84 \quad 89 \end{array}$	l. $\begin{array}{r} \text{m} \quad \text{cm} \\ 8 \quad 67 \\ + 1 \quad 20 \\ \hline 9 \quad 87 \end{array}$

### Subtraction of Length

#### Exercise

1. Find the difference :

a. $\begin{array}{r} 868\text{ m} \\ - 544\text{ m} \\ \hline 324\text{ m} \end{array}$	b. $\begin{array}{r} 688\text{ m} \\ - 286\text{ m} \\ \hline 402\text{ m} \end{array}$	c. $\begin{array}{r} 80\text{ m} \\ - 36\text{ m} \\ \hline 44\text{ m} \end{array}$	d. $\begin{array}{r} 560\text{ m} \\ - 300\text{ m} \\ \hline 260\text{ m} \end{array}$
---	---	--	---





$$\begin{array}{r} \text{e.} \quad \begin{array}{|c|c|} \hline \text{m} & \text{cm} \\ \hline 776 & 98 \\ \hline - 322 & 45 \\ \hline 454 & 53 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \text{f.} \quad \begin{array}{|c|c|} \hline \text{m} & \text{cm} \\ \hline 675 & 46 \\ \hline - 234 & 25 \\ \hline 441 & 21 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \text{g.} \quad \begin{array}{|c|c|} \hline \text{m} & \text{cm} \\ \hline 486 & 60 \\ \hline - 234 & 40 \\ \hline 252 & 20 \\ \hline \end{array} \end{array}$$

## Word Problems

### Exercise

$$\begin{array}{|c|c|} \hline \text{m} & \text{cm} \\ \hline 343 & 15 \\ \hline - 102 & 12 \\ \hline 445 & 27 \\ \hline \end{array}$$

2. A 343 m 15 cm long rope is joined to another rope measuring 102 m 12 cm. What is the total length of the two ropes?

3. Anjali bought 37 m of blue ribbon and 56 m of yellow ribbon. How much ribbon did she buy altogether?

$$\begin{array}{|c|} \hline \text{m} \\ \hline 37 \\ \hline + 56 \\ \hline 93 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline \text{m} & \text{cm} \\ \hline 65 & 50 \\ \hline + 32 & 40 \\ \hline 97 & 90 \\ \hline \end{array}$$

4. A woman bought a cotton cloth of 65 m 50 cm and a silk cloth of 32 m 40 cm. How much cloth did she buy in all?

5. Ramesh bought two carpets measuring 41 m 50 cm and 39 m 16 cm. What is the length of both the carpets together?

$$\begin{array}{|c|c|} \hline \text{m} & \text{cm} \\ \hline 41 & 50 \\ \hline + 39 & 16 \\ \hline 80 & 66 \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline 56 \text{ m} \\ \hline + 13 \text{ m} \\ \hline 43 \text{ m} \\ \hline \end{array}$$

6. A wire was 54m. A piece of 13 m was cut from it. How much wire was left?

7. Mr Sharma had 956 m of cotton cloth in his shop. He sold 745 m. How much cotton cloth is left?

$$\begin{array}{|c|c|} \hline \text{m} & \text{cm} \\ \hline 956 & 00 \\ \hline - 745 & 00 \\ \hline 211 & 00 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline \text{m} & \text{cm} \\ \hline 17 & 25 \\ \hline - 15 & 55 \\ \hline 1 & 70 \\ \hline \end{array}$$

8. Shashi bought 17 m 25 cm piece of a red ribbon. She used 15 m 55 cm. How much is left?

9. A shopkeeper had a roll of 365 m. He sold 34 m from it. How much cloth is left with him?

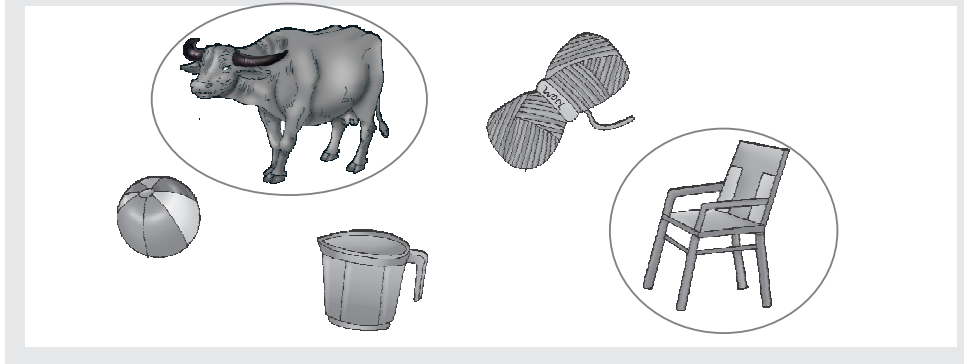
$$\begin{array}{|c|} \hline \text{m} \\ \hline 365 \\ \hline - 34 \\ \hline 331 \\ \hline \end{array}$$

10. The length of a dragonfly is 6 cm and the length of an aeroplane is 59 m. Find the difference in their lengths.

$$\begin{array}{|c|c|} \hline \text{m} & \text{cm} \\ \hline 59 & 00 \\ \hline - & 6 \\ \hline 58 & 94 \\ \hline \end{array}$$

Try this!

Circle those object that weigh more than 3 kg.



### Addition of Units of Weight

#### Exercise

##### 1. Find the sum :

$$\begin{array}{r} \text{a.} \quad 48 \text{ kg} \\ + 30 \text{ kg} \\ \hline 78 \text{ kg} \end{array}$$

$$\begin{array}{r} \text{b.} \quad 23 \text{ kg} \\ + 13 \text{ kg} \\ \hline 36 \text{ kg} \end{array}$$

$$\begin{array}{r} \text{c.} \quad 601 \text{ g} \\ + 298 \text{ g} \\ \hline 899 \text{ g} \end{array}$$

$$\begin{array}{r} \text{d.} \quad \begin{array}{cc} \text{kg} & \text{g} \\ 11 & 60 \end{array} \\ + \begin{array}{cc} 26 & 35 \end{array} \\ \hline \begin{array}{cc} 37 & 95 \end{array} \end{array}$$

$$\begin{array}{r} \text{e.} \quad \begin{array}{cc} \text{kg} & \text{g} \\ 320 & 345 \end{array} \\ + \begin{array}{cc} 600 & 423 \end{array} \\ \hline \begin{array}{cc} 920 & 768 \end{array} \end{array}$$

$$\begin{array}{r} \text{f.} \quad \begin{array}{cc} \text{kg} & \text{g} \\ 56 & 153 \end{array} \\ + \begin{array}{cc} 32 & 46 \end{array} \\ \hline \begin{array}{cc} 88 & 199 \end{array} \end{array}$$

$$\begin{array}{r} \text{g.} \quad \begin{array}{cc} \text{kg} & \text{g} \\ 82 & 534 \end{array} \\ + \begin{array}{cc} 12 & 52 \end{array} \\ \hline \begin{array}{cc} 94 & 586 \end{array} \end{array}$$

$$\begin{array}{r} \text{h.} \quad \begin{array}{cc} \text{kg} & \text{g} \\ 456 & 152 \end{array} \\ + \begin{array}{cc} 233 & 205 \end{array} \\ \hline \begin{array}{cc} 689 & 357 \end{array} \end{array}$$

$$\begin{array}{r} \text{i.} \quad \begin{array}{cc} \text{kg} & \text{g} \\ 33 & 345 \end{array} \\ + \begin{array}{cc} 43 & 33 \end{array} \\ \hline \begin{array}{cc} 76 & 378 \end{array} \end{array}$$

$$\begin{array}{r} \text{j.} \quad \begin{array}{cc} \text{kg} & \text{g} \\ 58 & 201 \end{array} \\ + \begin{array}{cc} 20 & 21 \end{array} \\ \hline \begin{array}{cc} 78 & 222 \end{array} \end{array}$$

### Subtraction of Units of Weight

$$\begin{array}{r} \text{a.} \quad 597 \text{ kg} \\ - 203 \text{ kg} \\ \hline 394 \text{ kg} \end{array}$$

$$\begin{array}{r} \text{b.} \quad 468 \text{ kg} \\ - 253 \text{ kg} \\ \hline 215 \text{ kg} \end{array}$$

$$\begin{array}{r} \text{c.} \quad 286 \text{ g} \\ - 142 \text{ g} \\ \hline 144 \text{ g} \end{array}$$

$$\begin{array}{r} \text{d.} \quad 162 \text{ g} \\ - 161 \text{ g} \\ \hline 001 \text{ g} \end{array}$$

$$\begin{array}{r} \text{e.} \quad \begin{array}{cc} \text{kg} & \text{g} \\ 38 & 676 \end{array} \\ - \begin{array}{cc} 23 & 200 \end{array} \\ \hline \begin{array}{cc} 15 & 476 \end{array} \end{array}$$

$$\begin{array}{r} \text{f.} \quad \begin{array}{cc} \text{kg} & \text{g} \\ 356 & 568 \end{array} \\ - \begin{array}{cc} 243 & 323 \end{array} \\ \hline \begin{array}{cc} 113 & 245 \end{array} \end{array}$$

$$\begin{array}{r} \text{g.} \quad \begin{array}{cc} \text{kg} & \text{g} \\ 138 & 491 \end{array} \\ - \begin{array}{cc} 36 & 320 \end{array} \\ \hline \begin{array}{cc} 102 & 171 \end{array} \end{array}$$

$$\begin{array}{r} \text{h.} \quad \begin{array}{cc} \text{kg} & \text{g} \\ 46 & 330 \end{array} \\ - \begin{array}{cc} 34 & 120 \end{array} \\ \hline \begin{array}{cc} 12 & 210 \end{array} \end{array}$$

$$\begin{array}{r} \text{i.} \quad \begin{array}{cc} \text{kg} & \text{g} \\ 527 & 897 \end{array} \\ - \begin{array}{cc} 105 & 544 \end{array} \\ \hline \begin{array}{cc} 422 & 353 \end{array} \end{array}$$

$$\begin{array}{r} \text{j.} \quad \begin{array}{cc} \text{kg} & \text{g} \\ 863 & 535 \end{array} \\ - \begin{array}{cc} 541 & 222 \end{array} \\ \hline \begin{array}{cc} 322 & 313 \end{array} \end{array}$$

### Word Problems

Solve the following problems. One has been done :

2. A truck is carrying 150 kg 250 g of sugar and 315 kg 400 g of rice. What is the total weight?

$$\begin{array}{r} \begin{array}{cc} \text{kg} & \text{g} \\ 150 & 250 \end{array} \\ + \begin{array}{cc} 315 & 400 \end{array} \\ \hline \begin{array}{cc} 465 & 650 \end{array} \end{array}$$

3. Sameer weighs 42 kg and Sohan weighs 23 kg. Find their total weight.

kg
42
+ 23
65

kg	g
20	250
+ 14	500
34	750

4. A vegetable seller sold 20 kg 250 g of potatoes in the morning and 14 kg 500 g of potatoes in the evening. How much potatoes did he sell in all?

kg
15
+ 24
39

5. 2 girls weigh 15 kg and 24 kg. What is their total weight?

kg	g
78	250
- 15	100
63	150

6. A man weighed 78 kg 250 g. He lost 15 kg 100 g. What is his present weight?

kg	g
25	00
- 14	00
11	00

7. Raman bought 25 kg of grapes and Aman bought 14 kg of grapes. Who bought more apples and how much more? Raman bought 11 kg grapes more

kg	g
28	800
- 5	500
23	300

8. I weigh 28 kg 800 g. My sister weighs 5 kg 500 g less than me. What is her weight?

kg	g
49	560
- 35	350
14	210

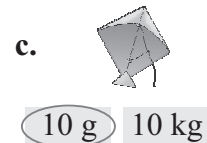
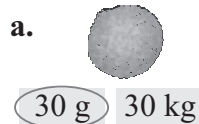
9. The weights of two tins are 49 kg 560 g and 35 kg 350 g. Find the difference in their weight.

kg	g
28	440
- 26	120
2	320

10. John weighs 28 kg 440 and Mary weighs 26 kg 120 g. How much heavier is John than Mary?

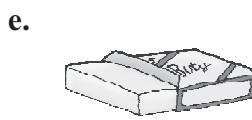
### WorkSheet-I

1. Circle the weight that seems to be correct :

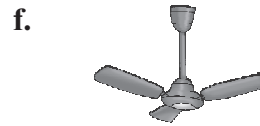




20 g    20 kg



200 kg    200 g



4 g    4 kg

2. Write down whether you would weigh these objects in g or kg according to their weights :

- a. A bath soap **g**    b. A candle **g**    c. A car **kg**    d. A tooth brush **g**  
 e. A bangle **g**    f. An apple **g**    g. A slice of bread **g**    h. A desk **kg**

**Worksheet-2**

1. Use <, > or = :

- a. 1 kg 200 g < 1250 g    b. 1 kg 750 g > 1 kg 500 g  
 c. 2700 g = 2 kg 700 g    d. 4 kg 250 g < 5250 g  
 e. 1 kg > 760 g    f. 1000 g = 1 kg

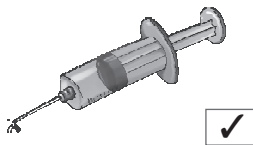
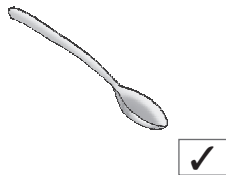
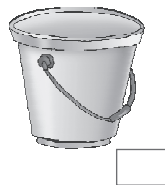
2. Find the weight of the following from the weights given :

- 3 sweets = **45 g**    1 book + 1 eraser = **560 g**  
 6 erasers = **60 g**    2 sweets + 1 pen = **55 g**  
 5 books = **2750 g**    3 erasers + 2 pens = **80 g**  
 8 pens = **200 g**    5 pens + 1 book = **675 g**

**9. Measuring Capacity**

**Exercise**

1. Put a tick (✓) on those objects that hold less than a litre :

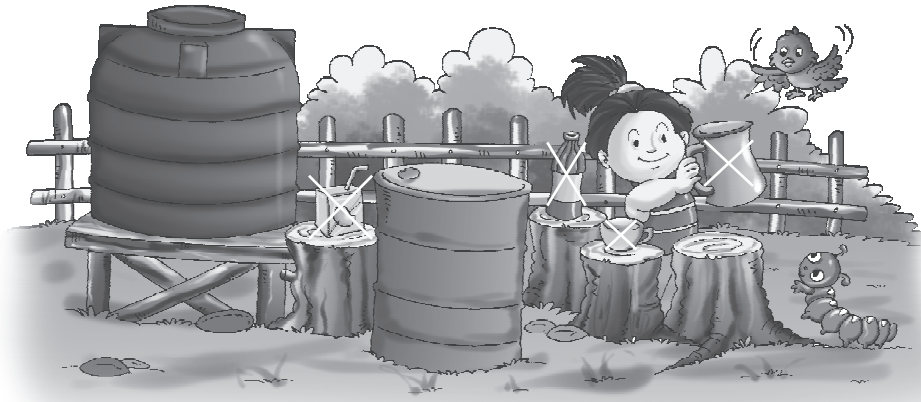


2. Write down l or ml according to their capacity (small or large) :

- a. A drop of water **ml**    b. Curd in a table spoon **ml**  
 c. A bottle of milk **l**    d. Juice in a glass **ml**  
 e. Medicine in dropper **ml**    f. Soup in a bowl **ml**

3. Colour the objects which have the capacity of more than a litre.  
 Cross (X) out which don't:





### Addition of Units of Capacity

#### Exercise

Find the Sum :

a.	$\begin{array}{r} l \\ 8 \\ + 5 \\ \hline 13 \end{array}$	$\begin{array}{r} ml \\ 300 \\ 453 \\ \hline 753 \end{array}$	b.	$\begin{array}{r} l \\ 22 \\ + 47 \\ \hline 69 \end{array}$	$\begin{array}{r} ml \\ 150 \\ 400 \\ \hline 550 \end{array}$	c.	$\begin{array}{r} l \\ 12 \\ + 27 \\ \hline 39 \end{array}$	$\begin{array}{r} ml \\ 650 \\ 339 \\ \hline 989 \end{array}$	d.	$\begin{array}{r} l \\ 53 \\ + 23 \\ \hline 76 \end{array}$	$\begin{array}{r} ml \\ 170 \\ 320 \\ \hline 490 \end{array}$	e.	$\begin{array}{r} l \\ 7 \\ + 2 \\ \hline 9 \end{array}$	$\begin{array}{r} ml \\ 480 \\ 410 \\ \hline 890 \end{array}$	f.	$\begin{array}{r} l \\ 68 \\ + 20 \\ \hline 88 \end{array}$	$\begin{array}{r} ml \\ 460 \\ 330 \\ \hline 790 \end{array}$
----	---	---	----	---	---	----	---	---	----	---	---	----	--	---	----	---	---

### Subtraction of Units of Capacity

a.	$\begin{array}{r} l \\ 9 \\ - 3 \\ \hline 6 \end{array}$	$\begin{array}{r} ml \\ 850 \\ 200 \\ \hline 650 \end{array}$	b.	$\begin{array}{r} l \\ 17 \\ - 6 \\ \hline 11 \end{array}$	$\begin{array}{r} ml \\ 888 \\ 757 \\ \hline 131 \end{array}$	c.	$\begin{array}{r} l \\ 29 \\ - 28 \\ \hline 1 \end{array}$	$\begin{array}{r} ml \\ 935 \\ 810 \\ \hline 125 \end{array}$	d.	$\begin{array}{r} l \\ 26 \\ - 10 \\ \hline 16 \end{array}$	$\begin{array}{r} ml \\ 786 \\ 343 \\ \hline 443 \end{array}$	e.	$\begin{array}{r} l \\ 55 \\ - 45 \\ \hline 10 \end{array}$	$\begin{array}{r} ml \\ 583 \\ 370 \\ \hline 213 \end{array}$	f.	$\begin{array}{r} l \\ 28 \\ - 16 \\ \hline 12 \end{array}$	$\begin{array}{r} ml \\ 260 \\ 50 \\ \hline 210 \end{array}$
----	--	---	----	--	---	----	--	---	----	---	---	----	---	---	----	---	--

### Word Problems

1. A man mixed 125 l of white paint and 132 l of red paint. How much paint did he get in all?

$$\begin{array}{r} 125\ l \\ + 132\ l \\ \hline 257\ l \end{array}$$

$$\begin{array}{r} l \\ 22 \\ + 27 \\ \hline 49 \end{array} \quad \begin{array}{r} ml \\ 00 \\ 00 \\ \hline 00 \end{array}$$

2. A man travelled by car. During 3 days of the journey he used 22 l, 27 l and 35 l of petrol. How much petrol did he use in all?

3. The Gupta family uses 32 l of water and the Goel family used 47 l of water in a day. Find the quantity of water used by both families in a day.

$$\begin{array}{r} l \\ 32 \\ + 47 \\ \hline 79 \end{array}$$

4. An oil tanker had 56 l of oil. Out of this, 23 l was used. How much oil is left in the tanker?

56 l
– 23 l
33 l

l	ml
22	500
– 12	200
10	300

5. A family bought 22 l 500 ml of milk on Monday. It used 12 l 200 ml through the day. How much milk is left?

l	ml
485	00
– 354	00
131	00

6. A water tank contains 485 l of water. 354 l of water was used. How much water is left in the tank?

l	ml
12	550
– 8	500
4	050

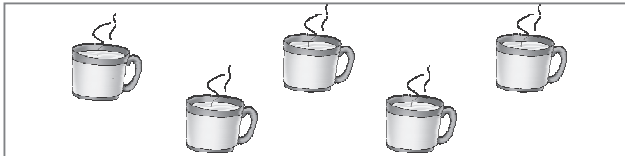
7. A family bought 22 l 500 ml of milk on Monday. It used 12 l 200 ml through the day. How much milk is left?

8. Neha made 65 l 580 ml of tomato sauce. She sold 53 l 250 ml at a sale. How much tomato sauce is left?

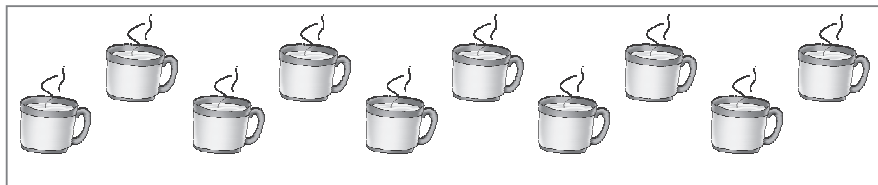
l	ml
65	580
– 53	250
12	330

### Work Sheet

1. A cup has a capacity of 100 ml. Draw the number of cups that can fill a 500 ml jug :



2. A bucket has a capacity of 5l. Draw the number of 500 ml cups that can fill it :



3. Fill in the blanks :

- We measure capacity in **litre** and **milli litre** .
- Capacity of an oil drum is measured in **litres** .
- 1 l = **1000** ml.



- d. We measure small quantities in **milli litres**.
- c. We measure large quantities in **litres**.

## 10 Time

### Days, Weeks, Months and Year

#### Try these !

If today is Monday, yesterday was **Sunday**.  
 Today is Wednesday, tomorrow will be **Thursday**.  
 Yesterday was Sunday, **today** is Monday.  
 Today is Tuesday, **tomorrow** will be Wednesday.  
 Yesterday was Friday, today is **Saturday**.

#### Exercise

##### Tick (✓) the correct answer :

Which of these were leap years?

1988	✓	1979	✗	2004	✓
1882	✗	2002	✗	1962	✗

#### The Knuckle Trick

##### Exercise

##### 1. Complete the blanks :

- |                               |                               |
|-------------------------------|-------------------------------|
| a. 1 year = <b>12</b> months  | b. 3 years = <b>36</b> months |
| c. 2 years = <b>24</b> months | d. 2 weeks = <b>14</b> days   |
| e. 6 months = <b>180</b> days | f. 1 month = <b>30</b> days   |

##### 2. Fill in the blanks :

- a. **February** is the shortest month of the year.
- b. **December** is the last month of the year.
- c. May comes after **April**.
- d. October comes before **November**.
- e. **January** comes between December and February.
- f. A leap year has **366** days.
- g. In a leap year, **February** has one more day.

#### Seasons of the Year

##### Exercise

##### Answer the following questions :

1. Name the months having the summer season in your state/union territory.  
**April, May, June, July**
2. Name the months having the winter season in your state/union territory.  
**November, December, January, February**
3. Name the months having the rainy season in your state/union territory.  
**July, August, September**



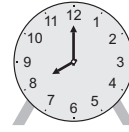
**2. Read the time in the clock and write it both in words and figures :**



7 : 30  
half past seven



4 : 30  
half past four



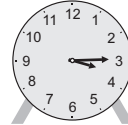
8 : 00  
8 o'clock



6 : 30  
half past six



9 : 15  
Quarter past nine



3 : 15  
Quarter past three

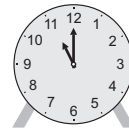
**3. Draw hands of the clocks to show the given time :**



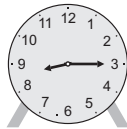
6 : 30



half past 2



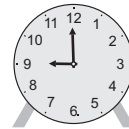
eleven o'clock



quarter past 8



half past twelve



nine o'clock

**4. Fill in the blanks :**

- There are 60 minutes in **one** hour.
- Half-an-hour means **30** minutes.
- Quarter means **15** minutes.
- The minute hand moves from one number to the next number in **5** minutes.
- The short hand of the clock tells us the **hour**.
- When the minute hand goes from 12 to 6, the **30 Minutes** is passed.

**Long and Short Duration**

**Write H for the activity which takes more than an hour and M for the activity which can be done in a few minutes :**

- A cricket match **H**
- Sleep at night **H**
- Doing 10 sums **M**
- Brushing your teeth **M**





- e. Morning assembly of your school **M**    f. One Diwali to the next **H**  
 g. Singing a song **M**

### WorkSheet

**1. Fill in the boxes :**

- a. 2 minutes = **120** seconds                      b. 3 hours = 180 minutes  
 c. 730 days = **2** years                              d. **24** weeks = 6 months  
 e. 21 days = **3** weeks                              f. 3 days = **72** hours

**2. Fill in the blanks :**

- b. 4 : 50 = **ten Minutes to five**  
 c. 3 : 20 = **twenty Minutes Past three**    d. 7 : 30 = **half past seven**

**3. Write the names of the months having 31 days :**

- a. January    b. March    c. May    d. July    e. August    f. October

**4. Write the names of the months having 30 days :**

- a. April    b. June    c. September    d. October

### Formative Assessment-3

**1. Write in centimetres :**

- a. 15 m 10 cm = **1510** cm    b. 4 m 96 cm = **496** cm    c. 1 m 20 cm = **120** cm

**2. Find the sum :**

- |    |    |     |
|----|----|-----|
| a. | Kg | g   |
|    | 6  | 350 |
| +  | 7  | 580 |
|    | 13 | 930 |
- |    |    |     |
|----|----|-----|
| b. | Kg | g   |
|    | 75 | 386 |
| +  | 19 | 125 |
|    | 94 | 511 |
- |    |     |     |
|----|-----|-----|
| c. | Kg  | g   |
|    | 287 | 345 |
| +  | 096 | 455 |
|    | 383 | 800 |

**3. Fill in the boxes :**

- a. 3 minutes = **180** seconds                      b. 7 hours = **420** minutes  
 c. 11 days =  $11 \times 24 =$  **264** hours

**4. Find the difference :**

- |    |   |     |
|----|---|-----|
| a. | l | ml  |
|    | 5 | 350 |
| -  | 3 | 250 |
|    | 2 | 100 |
- |    |   |     |
|----|---|-----|
| b. | l | ml  |
|    | 6 | 135 |
| -  | 3 | 105 |
|    | 3 | 030 |
- |    |   |     |
|----|---|-----|
| c. | l | ml  |
|    | 8 | 650 |
| -  | 2 | 430 |
|    | 6 | 220 |

**5. Fill in the blanks :**

- a. Heavier objects are measured in **Kg** .  
 b. Length of a side of the park is measured in **metres** .

## 11. Money

**Answer these questions :**

- How many 25 paise coins are there in 1 rupee? **4**  
 How many 5 rupee coins are there in 10 rupees? **2**



- How many rupees are 400 paise equal to? ₹4  
 How many 50 rupee note are there in a 500 rupee note? 10  
 How many 5 paise coins are there in 1 rupee? 20  
 How many paise are there in 8 rupees? 800  
 How many 50 paise coins are there in 1 rupee? 2

### Point

- Write the following in numbers :
  - Ten rupees and fifty paise ₹ 10.50
  - Fifteen rupees and twenty-five paise ₹15.25
  - Fifty-nine rupees and twenty paise ₹ 59.25
  - Sixty-four rupees and ten paise ₹ 64.10
- Write in words.
  - ₹ 615.50 Six hundred fifteen Rupees and fifty Paise.
  - ₹ 38.25 Thirty eight Rupees and twenty five paise.
  - ₹ 500.75 Five hundred Rupees and seventy five paise.
  - ₹ 650.50 Six hundred fifty Rupees and fifty paise.
- Add the money and write it both in words and numbers :
 

₹ 600.50	Rupees <b>Six hundred and fifty Paise</b>
₹ 5.75	Rupees <b>Five and Seventy five Paise</b>
₹ 30.50	Rupees <b>Thirty and fifty Paise</b>
₹ 110.50	Rupees <b>One hundred ten and fifty Paise</b>
₹ 15.75	Rupees <b>fifteen and seventy five Paise</b>

### Addition of Money

#### Exercise

- Add the following amount :

a.	₹	P	b.	₹	P	c.	₹	P	d.	₹	P
	40	50		38	25		502	35		206	25
+	37	40	+	20	40	+	353	50	+	703	50
	77	90		58	65		855	85		909	75

### Subtraction of Money

#### Exercise

- Subtraction the following :

a.	₹ 485	b.	₹ 646	c.	₹ 805	d.	70p
-	₹ 433	-	₹ 433	-	₹ 403	-	33p
	₹ 52		₹ 213		₹ 402		37p



e.	₹	P
	541	50
-	400	40
	141	30

f.	₹	P
	806	30
-	100	00
	706	30

g.	₹	P
	914	80
-	302	50
	612	30

h.	₹	P
	38	50
-	20	40
	18	10

### Word Problems

Solve the following :

1. I paid ₹ 25.00 to buy an ice-cream and ₹ 65.50 for a pizza. How much did I pay in all ?

₹	P
25	00
+	65 50
	90 50

₹	P
5	50
+	3 20
	8 70

2. I spent ₹ 5.50 to buy a pencil and ₹ 3.20 to buy an eraser. How much money did I spend?

₹	P
120	00
+	250 00
	370 00

3. My mother gave me ₹ 120 and my father gave me ₹ 250. How much money have now?

₹	P
128	50
-	72 00
	56 50

4. Annie has ₹ 128.50. She spent ₹ 72.00 to buy a doll. How much money is she left with?

₹	P
87	50
-	35 00
	52 50

5. I have ₹ 87.50. I spent ₹ 35.00 on a treat. How much money is left with me?

### Work Sheet

Tick (✓) the correct coins in each case :

- a. Three coins to make ₹ 2.25



- b. Two coins to make ₹ 1.50



- c. Three coins to make ₹ 5.75



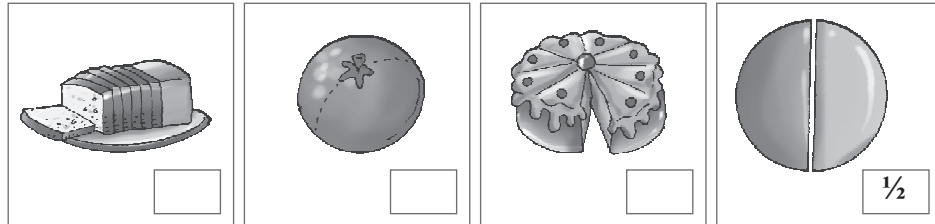
d. Two coins to make ₹ 3



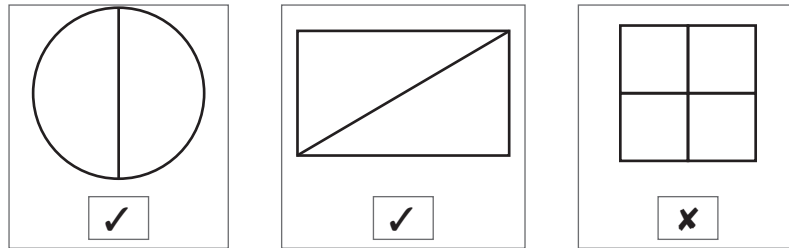
## 12. Fractions

### Exercise

1. Colour the part(s) to show  $\frac{1}{2}$ :



2. Tick (✓) the shapes which are cut into halves :



3. Join the dots of the other half and colour it :

