



# SHREE VASISHTHA VIDHYALAYA

## Maths Worksheet (2025-26)



Name :- Answer key

Std.:- IV ( )

Roll No. :- \_\_\_\_\_

Worksheet-PA-2

Date : - \_\_\_\_\_

(Ch-08, Measurement and Ch-12, Visualising solid 3D shapes)

### Q-1. Choose the correct option.

- Which is the smallest metric units to measure length from the following?  
(a) km (b) cm ✓ (c) m
- 7 m = \_\_\_\_\_ cm  
(a) 7 (b) 70 (c) 700 ✓
- Which container holds more liquid?  
(a) A water tank ✓ (b) A glass (c) A spoon
- 10 kg 243g = \_\_\_\_\_ g.  
(a) 1243 (b) 10243 ✓ (c) 100243
- A standard bottle of water usually contains about \_\_\_\_\_.  
(a) 1 mL (b) 10 L (c) 1 L ✓
- In 1302.128, the digit 8 is in the \_\_\_\_\_ place.  
(a) ones (b) thousandths ✓ (c) thousands
- A shopkeeper buys 9 pen drives for ₹ 846. What is the cost of 1 such pen drive?  
(a) 92 (b) 93 (c) 94 ✓
- Which of the following is a 3D shape?  
(a) Square (b) Cube ✓ (c) Triangle
- Which shape has no flat face?  
(a) Sphere ✓ (b) Cube (c) Cone
- A cylinder has \_\_\_\_\_.  
(a) 1 curved surface and 2 flat surfaces ✓  
(b) 2 curved surface and 1 flat surface  
(c) 1 curved surface and 3 flat surfaces

### Q-2. Fill in the blanks.

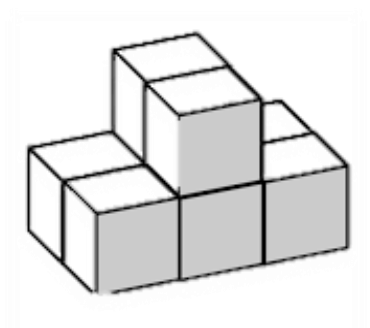
- The front view is called **Front elevation**
- A **vertex** is a point or corner where two or more edges meet.
- Three dimensional (3-D) shapes have a **length**, **breadth** and **height**.
- A cone has **2** faces.
- A cube has **6** faces, **12** edges and **8** vertices.
- 5 km = **5000** m
- 75 cm + 125 cm = **200** cm = **2** m
- If all sides of a cuboid become equal, it becomes a **cube**.
- $2\frac{1}{2}$  kg = **2500** g
- 1 litre = **1000** millilitres (mL).

**Q-3. True or False.**

- 1 m = 1000 mm.
- 10 kg is bigger than 1 kg.
- Millilitres is used to measure liquids.
- All faces of a cube are rectangle.
- A cuboid has no edges.
- A cone has 2 vertices.

TRUETRUETRUEFALSEFALSEFALSE**Q-4. Match the following.**

Column A	Column B	Answer
1. Cube or Cuboid	a) 2 km	1. f
2. 500 mL + 500 mL	b) 2 circular faces	2. e
3. Cube	c) 1.5 kg	3. d
4. 2000 m	d) Equal length breadth and height	4. a
5. Cylinder	e) 1 litre	5. b
6. 1500 g	f) 12 edges	6. c

**Q-5. Draw its top view, front and side view.**

Top view	Front view	Side view

**Q-6. Tick (✓) the best estimate.**

- |                                   |          |          |           |
|-----------------------------------|----------|----------|-----------|
| (a) The weight of a pencil        | 8 g ✓    | 800 g    | 8 kg      |
| (b) The weight of a bicycle       | 15 kg ✓  | 100 kg   | 15 g      |
| (c) Length of train coach         | 25 mm    | 25 km    | 25 m ✓    |
| (d) Length of a river             | 120 km ✓ | 120 m    | 120 mm    |
| (e) Height of a door              | 2 m ✓    | 2 cm     | 2 mm      |
| (f) The weight of your school bus | 750 g    | 750 kg   | 7500 kg ✓ |
| (g) The petrol tank of a car      | 60 mL    | 6 L      | 60 L ✓    |
| (h) Amount of water in raindrop   | 1 mL ✓   | 1 L      | 10 L      |
| (i) The amount of milk in a glass | 24 L     | 240 mL ✓ | 240 L     |
| (j) Water in bath tub             | 60 mL    | 6 L      | 500 L ✓   |

### Q-7. Add:

<p>i) 14 L 98 mL and 46 L 63 mL</p> <p>Solution:</p> $  \begin{array}{r}  1 \qquad \qquad 11 \\  14 \text{ L} \qquad \qquad 098 \text{ mL} \\  + \quad 46 \text{ L} \qquad \qquad 063 \text{ mL} \\  \hline  60 \text{ L} \qquad \qquad 161 \text{ mL}  \end{array}  $	<p>ii) 45 kg 974 g and 97 kg 698 g</p> <p>Solution:</p> $  \begin{array}{r}  11 \qquad \qquad 11 \\  45 \text{ kg} \qquad \qquad 974 \text{ g} \\  + \quad 97 \text{ kg} \qquad \qquad 698 \text{ g} \\  \hline  143 \text{ kg} \qquad \qquad 672 \text{ g}  \end{array}  $
<p>iii) 121 km 456 m 89 cm and 82 km 8 m 43 cm</p> <p>Solution:</p> $  \begin{array}{r}  1 \qquad \qquad 11 \qquad \qquad 1 \\  121 \text{ km} \quad 456 \text{ m} \quad 89 \text{ cm} \\  + \quad 082 \text{ km} \quad 008 \text{ m} \quad 43 \text{ cm} \\  \hline  203 \text{ km} \quad 465 \text{ m} \quad 32 \text{ cm}  \end{array}  $	<p>iv) 89 m 23 cm, 120 m 99 cm 6 mm and 5 m 82 cm 9 mm</p> <p>Solution:</p> $  \begin{array}{r}  112 \qquad \qquad 11 \\  089 \text{ m} \quad 23 \text{ cm} \quad 0 \text{ mm} \\  120 \text{ m} \quad 99 \text{ cm} \quad 6 \text{ mm} \\  + \quad 005 \text{ m} \quad 82 \text{ cm} \quad 9 \text{ mm} \\  \hline  216 \text{ m} \quad 05 \text{ cm} \quad 5 \text{ mm}  \end{array}  $

### Q-8. Subtract:

<p>i) 69 L 45 mL from 125 L 63 mL</p> <p>Solution:</p> $  \begin{array}{r}  11 \\  0 \cancel{1} 15 \qquad \qquad 5 \ 13 \\  1 \cancel{2} \cancel{5} \text{ L} \qquad \qquad 0 \cancel{6} \cancel{3} \text{ mL} \\  - \quad 0 \ 6 \ 9 \text{ L} \qquad \qquad 0 \ 4 \ 5 \text{ mL} \\  \hline  0 \ 5 \ 6 \text{ L} \qquad \qquad 0 \ 1 \ 8 \text{ mL}  \end{array}  $	<p>ii) 45 kg 789 g from 519 kg 369 g</p> <p>Solution:</p> $  \begin{array}{r}  12 \\  4 \ 11 \ 8 \qquad \qquad \cancel{2} \ 16 \\  \cancel{5} \cancel{1} \cancel{9} \text{ kg} \qquad \qquad \cancel{3} \cancel{6} \cancel{9} \text{ g} \\  - \quad 0 \ 4 \ 5 \text{ kg} \qquad \qquad 7 \ 8 \ 9 \text{ g} \\  \hline  4 \ 1 \ 3 \text{ kg} \qquad \qquad 5 \ 8 \ 0 \text{ g}  \end{array}  $
<p>iii) 60 m 42 cm 9 mm from 74 m 23 cm 3mm</p> <p>Solution:</p> $  \begin{array}{r}  3 \qquad \qquad 12 \ 2 \qquad \qquad 13 \\  \cancel{7} \cancel{4} \text{ m} \quad \cancel{2} \cancel{3} \text{ cm} \quad \cancel{3} \text{ mm} \\  - \quad 60 \text{ m} \quad 4 \ 2 \text{ cm} \quad 9 \text{ mm} \\  \hline  13 \qquad \qquad 80 \qquad \qquad 4  \end{array}  $	<p>iv) 369 km 46 m 89 cm from 892 km 8 m 43 cm</p> <p>Solution:</p> $  \begin{array}{r}  13 \\  8 \ 11 \qquad \qquad 10 \ 7 \qquad \qquad \cancel{3} \ 13 \\  \cancel{8} \cancel{9} \cancel{2} \text{ km} \quad \cancel{0} \cancel{8} \text{ m} \quad \cancel{4} \cancel{3} \text{ cm} \\  - \quad 3 \ 6 \ 9 \text{ km} \quad 4 \ 6 \text{ m} \quad 8 \ 9 \text{ cm} \\  \hline  5 \ 2 \ 2 \text{ km} \quad 6 \ 1 \text{ m} \quad 5 \ 4 \text{ cm}  \end{array}  $

**Q-9. Word problems.**

1. A contractor got a contract for construction of three roads. The length of the first road is 125 km 705 m, the second road is 189 km 90 m and the third road is 302 km 987 m. Find the total length of the three roads that he needs to construct.

Solution:	111	11
Length of the first road =	125 km	705 m
Length of the second road =	189 km	090 m
Length of the first road =	+ 302 km	987 m
Total length of three roads=	<u>617 km</u>	<u>782 m</u>

2. Rosa purchased 189 m 63 cm cloth for shirts, 78 m 85 cm for trousers and 32 m 79 cm for other purposes. How many metres of cloth did she purchase in all?

Solution:	222	1
Rosa purchased cloth for shirts =	189 m	63 cm
She purchased cloth for trousers =	078 m	85 cm
She purchased cloth for other purposes =	+ 032 m	79 cm
She purchased all cloths =	<u>301 m</u>	<u>27 cm</u>

3. Mrs Joshi has 56 kg of flour. She used 45 kg 412 g of flour to make paranthas to be distributed to the needy. How much flour has she left with?

Solution:	9	9
	5	<del>10</del> <del>10</del> 10
Total weight of flour =	56 kg	<del>0</del> <del>0</del> <del>0</del> g
Weight of used flour =	- 45 kg	4 1 2 g
Weight of left flour =	<u>10 kg</u>	<u>5 8 8 g</u>

4. Mukesh purchased a box containing 167 kg of apples. If 23 kg 789 g of apples were found spoiled and 84 kg 912 g were consumed in a party, how much apples were left?

Solution:

Total weight of a apples box	=	167 kg
Weight of spoiled apples	=	23 kg      789 g
Weight of apples consumed in a party	= +	84 kg      912 g
		<u>108 kg      701 g</u>
Weight of left apples in the box	=	167 kg – 108 kg 701 g
	=	58 kg 299 g

5. A car has full tank of 137 L 89 mL of petrol. During journey it uses up 85 L 999 ml of petrol, how much petrol will be left in the tank?

Solution:

		L	mL
			9
		0 13 6	10 18
Car has full tank of petrol =		<del>1</del> <del>3</del> <del>7</del>	<del>0</del> <del>8</del> 9
Journey it uses up	= -	<u>0 8 5</u>	<u>9 9 9</u>
Left petrol in the tank	=	<u>0 5 1</u>	<u>0 9 0</u>

6. Amul bought 823 litres of milk in the morning, 35 litres 78 millilitres at noon and 452 litres 809 millilitres in the evening. How much milk did he buy during the whole day?

Solution:

		L	mL
		11	1
Amul bought milk in the morning	=	823	000
Amul bought milk al noon	=	035	078
Amul bought milk in the evening	= +	452	809
Total milk bought during the whole day =		<u>1310</u>	<u>887</u>