SHREE VASISHTHA VIDHYALAYA

Maths Worksheet 2024-25

Name : - Answerkey

Roll No. :-

Worksheet No.PA-2-01

Std.:- IV -

Date : -

Ch-8 Measurement

Q-1. Choose the correct option.

1. To convert a length given in metres into kilometres we, ----------

a) multiply by 100 b) divide by 100 c) divide by 1000 d) multiply by 10

2. Which is the best unit to measure the length of notebook?

a) Millimetre b) Centimetre c) Meter d) Kilometre

3. How many 50 gram turmeric packets are required to make one Kilogram?

a)10 b)20 c)30 d) 5

4. Which one of the following is wrong?

a)160 cm= 1 m 6 cm b) 4 km 70 m= 4070 m

c)1600 ml= 1L 600ml d)2009 g= 2 kg 9 g

5. 1500 g = -------- kg --------g

a)1 kg 500 g b)15 kg 00 g c)150 kg 0 g d) None of these

Q-2. Fill in the blanks.

1) 3890 mL = 3 L 890 mL

2) 3005g = 3 kg 5 g

3) 1gram = 1000 mg

4) 9 km73 m = 9073 m

5) 1cm = $\frac{1}{100}$ m

6) 10 mm = 1 cm

7) 500g = $\frac{1}{2}$ kg

8) 250g = $\frac{1}{4}$ kg

Q-3. Match the following.

(A)	(B)	Ans:-
1. 15 kg	a. 100 cm	1- c
2. 1 mL	b. 1 L 500 mL	2- d
3. 5 g	c. 15000 g	3- e
4. 23 kg 20 g	d. 1/1000 L	4- f
5. 1 m	e. 5000 mg	5- a
6. 1500 mL	f. 23020 g	6- b

Q-4. State weather following statements are true or false.

1) The weight of a pen will be measured in kg. — False

2) The distance between two cities is measured in meters. — False

3) Capacity of a water bottle is 7000 ml. — False

4) The standard unit of weight is grams and kilograms. — True

5) 2 grams is equal to 2000 milligrams. — True

6) Mili means one thousandths — True

Q-5. Solve the following word problems.

1) Raju bought 7 litres of milk in the morning, 4 litres 40 millilitres at the noon and 3 litres 850 millilitres in the evening. How much milk did he buy during the whole day?

		L	mL
Milk bought in the morning	=	7	000
Milk bought at noon	=	4	040
Milk bought in the evening	= +	3	850
Milk he bought during the whole day	=	14	890

Ans. He bought 14 L 890 mL milk during the whole day.

2) There are 65 balls in a basket. Each ball has a mass of 110 g. The mass of the empty basket is 800 g. What is the total mass of the basket with 65 balls?

Total no. of balls = 65
Mass of 1 ball = 110 g
∴ Mass of 65 balls = 110 g × 65
= 7150 g

```
  110
 x 65
 550
+660x
 7150
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Mass of empty basket = 800 g.
The total mass of the basket with 65 balls = 7150 g + 800 g
= 7950 g

```
 7150
+ 800
 7950
```

Ans. The total mass of the basket with 65 balls is 7950 g.

3) Mr Rao weighs, 86 kg 350 g, Mrs Rao weighs 62 kg 830 g and their son weighs 54 kg 330 g.

a. What is the total sum of their weights?

b. How much more does Mrs. Rao weigh than her son?

a.

		Kg	g
Weight of Mr. Rao	=	86	350
Weight of Mrs. Rao	=	62	830
Weight of son	= +	54	330
Total weight	=	203	510

Ans. Total of their weights = 203 kg 510 g

b. Difference between Mrs. Rao and her son's weight

		Kg	g
Weight of Mrs. Rao	=	62	830
weight of son	= −	54	330
Difference	=	08	500

Ans. Mrs. Rao weigh 8 kg 500 g more than her son.

)-6. Do as directed.

1) Add:81 m 75 cm and 35 m 3 cm.

m	cm
81	75
+ 35	03
116	78

Ans. 116 m 78 cm

2) Add: 605 L 98 mL and 256 L 902 mL.

L	mL
① ①	① ①
605	098
+ 256	902
862	000

Ans. 862 L 000 mL

3)Add: 113 kg 752 g and 786 kg 278 g 106 mg

kg	g	mg
① ① ①	① ①	
113	752	000
+ 786	278	106
900	030	106

Ans. 900 kg 30 g 106 mg.

4) Subtract:13 kg 786 g from 34 kg 599 g.

Kg	g
3	15
34	899
− 13	786
20	813

Ans. 20 kg 813 g

5)Subtract: 511 L 435 mL from 81819 mL

L	mL
7	10
818	9 0 0 9
− 511	435
306	574

Ans. 306 L 574 mL

6) Subtract:126 m 85 cm 7 mm from 138 m 79 cm 6 mm

m	cm	mm
7	17 8	16
138	7 9	6
− 126	85	7
011	93	9

Ans. 11 m 93 cm 9 mm

1) Express in mililitres: a.7L 275 mL b.15L 126 mL

7 L + 275 mL

1 L = 1000 mL

∴ 7 × 1000 mL + 275 mL

= 7000 mL + 275 mL

= 7275 mL

7000
+ 275
7275

15 L + 126 mL

1 L = 1000 mL

∴ 15 × 1000 mL + 126 mL

= 15000 mL + 126 mL

= 15126 mL

15000
+ 126
15126

2) Express in litres and milimetres:

a. 6897mL.	b. 1805 mL
mL $\xrightarrow{\div 1000}$ L OR 1 mL = $\frac{1}{1000}$ L $\therefore$ 6897 mL = 6897 ÷ 1000 L = 6L 897 mL	mL $\xrightarrow{\div 1000}$ L $\therefore$ 1805 mL = 1805 ÷ 1000 L = 1 L 805 mL

6 ← L
1000) 6897
−6000
0897 ← mL

1 ← L
1000) 1805
−1000
0805
↑ mL

3) Express in grams:

a. 4 kg	b. 26 kg 563 g.	c. 7 kg 85 g.
1 kg = 1000 g $\therefore$ 4 kg = 4 × 1000 g = 4000 g	26 kg + 563 g 1 kg = 1000 g $\therefore$ 26 × 1000 g + 563 g = 26000 g + 563 g = 26563 g	7 kg + 85 g 1 kg = 1000 g $\therefore$ 7 × 1000 g + 85 g = 7000 g + 85 g = 7085 g.

4) Convert into centimetres:

a. 7 m.	b. 87 m 21 cm
1 m = 100 cm $\therefore$ 7 m = 7 × 100 cm = 700 cm	87 m + 21 cm 1 m = 100 cm $\therefore$ 87 × 100 cm + 21 cm = 8700 cm + 21 cm = 8721 cm

5) Convert into centimetres and milimetres:

a 245 mm.	b. 60 mm	c. 217 mm
mm $\xrightarrow{\div 10}$ cm or 1 mm = $\frac{1}{10}$ cm $\therefore$ 245 ÷ 10 cm = 24 cm 5 mm	1 mm = $\frac{1}{10}$ cm $\therefore$ 60 mm = 60 ÷ 10 cm = 6 cm	1 mm = $\frac{1}{10}$ cm $\therefore$ 217 mm = 217 ÷ 10 = 21 cm 7 mm

24 ← cm
10) 245
−20↓
045
−40
05 ← mm

6 ← cm
10) 60
−60
00 mm

21 ← cm
10) 217
−20↓
017
−10
07 ← mm

6) Write the correct sign <, > or = in boxes:

a. 9008 g [>] 2 kg. b. 34 m [≤] 3400 cm. c. 1045 mL [<] 10L

d. 10mm [=] 1cm e. 2050g [=] 2050g f. 222cm [=] 2m 22 cm

Q-7. Circle the best estimate.

a. Weight of watermelon	300g	30g	(5kg)
b. The weight of textbook	10kg	10g	(1kg)
c. Amount of water in a raindrop	(1mL)	1L	10L
d. Amount of water in bucket	1L	(20L)	100L
e. Distance between Surat and Mumbai	(279 km)	500m	1000cm
f. Length of table	(2m)	5cm	10mm