Weight and Capacity

Standard difficulty · 20 questions · 40 marks · Time: 54 minutes

Name: _____ Date: _____ Score: ____ / 40

Show your working for Sections B and C. Answers are on the last page — try every question first!

Section A — Choose the correct answer — 8 × 1 = 8 marks

1. 4 kg 41 g = ? g

(a) 4,141 g **(b)** 4,410 g **(c)** 4,041 g **(d)** 441 g

2. 4 l 37 ml = ? ml

(a) 4,037 ml **(b)** 4,137 ml **(c)** 437 ml **(d)** 4,370 ml

3. 9 g 200 mg = ? mg

(a) 9,210 mg **(b)** 9,300 mg **(c)** 9,100 mg **(d)** 9,200 mg

4. Which sign goes in the box? 6 l 25 ml □ 625 ml

(a) = **(b)** < **(c)** > **(d)** +

5. 1 kg =

(a) 1,000 g **(b)** 10 g **(c)** 100 g **(d)** 10,000 g

6. Which unit is best for the weight of a sack of wheat at a mandi?

(a) mg **(b)** quintal **(c)** g **(d)** ml

7. How many 200 ml glasses can be filled from 3 l of juice?

(a) 25 **(b)** 12 **(c)** 16 **(d)** 15

8. 11 kg 580 g + 12 kg 658 g =

(a) 24 kg 138 g **(b)** 24 kg 238 g **(c)** 23 kg 238 g **(d)** 25 kg 238 g

Section B — Short answer — 8 × 2 = 16 marks

9. Write 2,085 g in kg and g.

10. Write 5,911 ml in l and ml.

11. How many quintals are there in 40 tonnes?

12. Subtract: 34 l 800 ml − 33 l 82 ml

13. 5 × 5 l 890 ml = ?

14. 44 kg 100 g is shared equally into 9 bags. How much goes into each?

15. The price of apples is ₹24 a kg. What do 10 kg 250 g cost?

16. 3 kg of apples costs ₹159. What does 12 kg cost?

Section C — Word problems — 4 × 4 = 16 marks

17. Arjun buys 3 kg 750 g of dal, 3 kg 150 g of apples, 2 kg 650 g of flour. (a) What is the total weight? (b) Write it in grams. (c) The bag can hold 9 kg. Will everything fit?

18. A water tank holds 3,300 l. A family uses 220 l a day. (a) For how many full days will a full tank last? (b) How much water is left after those days? (c) How much water does the family use in a week?

19. A hostel kitchen uses 200 g of flour for each child a day. There are 11 children. (a) How much flour is used in a day? (b) In 5 days? Write both in kg and g. (c) How many 5 kg bags are needed for 5 days?

20. A shop has 23 bottles of 250 ml milk. (a) How much milk is there in ml? (b) Write it in l and ml. (c) How many glasses of 100 ml can be filled, and how much is left?

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Answer key

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Q	Answer	Working
1	**(c) 4,041 g**	4 kg = 4,000 g; add 41 g
2	**(a) 4,037 ml**	4 l = 4,000 ml; add 37 ml
3	**(d) 9,200 mg**	1 g = 1,000 mg
4	**(c) >**	6 l 25 ml = 6,025 ml
5	**(a) 1,000 g**	—
6	**(b) quintal**	—
7	**(d) 15**	3 l = 3,000 ml; 3,000 ÷ 200
8	**(b) 24 kg 238 g**	11,580 g + 12,658 g = 24,238 g
9	**2 kg 85 g**	1,000 g = 1 kg
10	**5 l 911 ml**	1,000 ml = 1 l
11	**400 quintals**	1 tonne = 10 quintals
12	**1 l 718 ml**	34,800 − 33,082 = 1,718 ml
13	**29 l 450 ml**	5 × 5,890 ml = 29,450 ml
14	**4 kg 900 g**	44,100 ÷ 9
15	**₹246**	10 kg = ₹240; 250 g = ₹6
16	**₹636**	12 kg is 4 times 3 kg
17	**(a) 9 kg 550 g; (b) 9,550 g; (c) No**	change everything to grams first
18	**(a) 15; (b) 0 l; (c) 1,540 l**	3,300 ÷ 220 = 15 remainder 0
19	**(a) 2 kg 200 g; (b) 11 kg; (c) 3**	200 × 11 = 2,200 g
20	**(a) 5,750 ml; (b) 5 l 750 ml; (c) 57 glasses, 50 ml left**	23 × 250

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