St. Andrews Scots Sr. Sec. School

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Session: 2026-2027

Class: V Subject: Mathematics Unit 6 - Measurement

Work to be done:

Ex-6 A: Q2 – b, d, e, f, h in Notebook.

Q5 – a, b, e in Notebook.

Ex-6 B: Q1– a, c, f in Notebook.

Q2– b, d, e in Notebook.

Q4, Q5 , Q6, Q10 , Q11, Q12 in Notebook.

Review time

Worksheet

Chapter 6: Measurement

Exercise 6A

1. (a) 0.6 (b) 0.6 (c) 0.085 (d) 0.008

(e) 0.0045 (f) 0.019 (g) 0.35 (h) 0.09

2. (a) 349 cm to m

349 cm = (349 ÷ 100) m = 3.49 m

(b) 3.6 m into mm

3.6 m = (3.6 × 1000) mm = 3600 mm

(c) 2351 g into kg

2351 g = (2351 ÷ 1000) kg = 2.351 kg

(d) 70.4 mL into L

70.4 mL = (70.4 ÷ 1000) L = 0.0704 L

(e) 20.19 kg into g

20.19 kg = (20.19 × 1000) g = 20190 g

(f) 13.07 km into m

13.07 km = (13.07 × 1000) m = 13070 m

(g) 87 m into km

87 m = (87 ÷ 1000) km = 0.087 km

(h) 3460 mL into L

3460 mL = (3460 ÷ 1000) L = 3.46 L

(i) 96 mm into cm

96 mm = (96 ÷ 10) cm = 9.6 cm

3. (a) 4 kg 210 g = 4.210 kg (b) 2 km 500 m = 2.5 km

(c) 6 L 60 mL = 6.06 L

(d) 5 m 10 cm = 5.1 m

(e) 8 kg 60 g = 8.06 kg

(f) 12 L 200 mL = 12.2 L

4. (a) 7200 g (>) 7 kg 20 g

(b) 12 kg 100 g (>) 12.01 kg

(c) 660 m (<) 6.6 km

(d) 5.6 L (>) 5 L 60 mL

(e) 6 L 100 mL (=) 6.1 L

(f) 4.5 km (>) 4 km 50 m

5. (a) 2 kL = 20 hL = 200 daL = 2000 L

(b) 7000 g = 700 dag = 70 hg = 7 kg

(c) 4 g = 40 dg = 400 cg = 4000 mg

(d) 3 L = 30 dL = 300 cL = 3000 mL

(e) 6 km = 60 hm = 600 dam = 6000 m

(f) 5000 m = 500 dam = 50 hm = 5 km

Exercise 6B

1. (a)

84 g 90 mg =	84.090 g
33 g 33 mg =	33.033 g
7 g 7 mg =	+ 7.007 g
	124.130 g

Sum = 124.130 g

(b)

6 kg 360 g =	6.360 kg
9 kg 75 g =	9.075 kg
80 g =	+ 0.080 kg
	15.515 kg

Sum = 15.515 kg

(c)

9 kL 9 L =	9.009 kL
7 kL 60 L =	7.060 kL
93 L =	+ 0.093 kL
	16.162 kL

Sum = 16.162 kL

(d)

37 L 56 mL =	37.056 L
30 L 67 mL =	30.067 L
91 L 25 mL =	+ 91.025 L
	158.148 L

Sum = 158.148 L

(e)

8 km 75 m =	8.075 km
13 km 163 m =	13.163 km
834 m =	+ 0.834 km
	22.072 km

Sum = 22.072 km

(f)

35 m 76 cm =	35.76 m
9 m 34 cm =	9.34 m
95 cm =	+ 0.95 m
	46.05 m

Sum = 46.05 m

2. (a) 46 m 85 cm from 70 m

Now

70.00 m
− 46.85 m
23.15 m

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(b) 16 km 375 m from 33 km 97 m

Now
$$\begin{array}{r} 33.097 \text{ km} \\ -\ 16.375 \text{ km} \\ \hline 16.722 \text{ km} \end{array}$$

(c) 8 kg 24 g from 12 kg 10 g

Now
$$\begin{array}{r} 12.010 \text{ kg} \\ -\ 8.024 \text{ kg} \\ \hline 3.986 \text{ kg} \end{array}$$

(d) 41 kg 432 g from 100 kg

Now
$$\begin{array}{r} 100.000 \text{ kg} \\ -\ 41.432 \text{ kg} \\ \hline 58.568 \text{ kg} \end{array}$$

(e) 46 kL 375 L from 90 kL 90 L

Now
$$\begin{array}{r} 90.090 \text{ kL} \\ -\ 46.375 \text{ kL} \\ \hline 43.715 \text{ kL} \end{array}$$

(f) 29 L 875 mL from 83 L 70 mL

Now
$$\begin{array}{r} 83.070 \text{ L} \\ -\ 29.875 \text{ L} \\ \hline 53.195 \text{ L} \end{array}$$

3.
$$\begin{array}{r} 45.200 \text{ kg} \\ 63.750 \text{ kg} \\ 36.125 \text{ kg} \\ 35.896 \text{ kg} \\ +\ 54.283 \text{ kg} \\ \hline 235.254 \text{ kg} \end{array}$$

Hence the total weight of 5 children = 235.254 kg

4. Cost of 1 L oil = ₹ 64.50

Cost of 6.5 L oil = 64.50 × 6.5 = ₹ 419.25

Thus, she spent ₹ 419.25.

5. Weight of 15 slabs = 7.5 kg

Weight of 1 slab = 7.5 ÷ 15 = 0.5 kg or 500 g

6. The height of pile of books = 52.5 cm

The thickness of each book = 3.5 cm

Number of books = 52.5 ÷ 3.5 = 525 ÷ 35 = 15 books

7. Total milk = 20.41 L

Number of cans = 13

Milk in each can = 20.41 ÷ 13 = 1.57 L

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8. Weight of 9 Pepsi bottles = 12.24 kg

Weight of 1 Pepsi bottle = 12.24 ÷ 9 = 1.36 kg

9. Weight of Bajra in 8 bags = 10.86 kg

Weight of Bajra in 1 bag = 10.86 ÷ 8 = 1.3575 kg

10. Weight of 1 chain = 25.714 g

Weight of 7 chains = 25.714 × 7 = 179.998 g

11. Cost of 1.4 kg of sugar = ₹ 22.33

Cost of 1 kg of sugar = 22.33 ÷ 1.4 = ₹ 15.95

12. Weight of 1 bag of rice = 6.35 kg

Weight of 9 bags of rice = 6.35 × 9 = 57.15 kg

Review Time

I. 1. (a) 2. (c) 3. (c) 4. (b)

II. **1.** (a) 5 m 35 cm + 3 m 25 cm + 125 cm

5 m 35 cm = 5.35 m

3 m 25 cm = 3.25 m

125 cm = + 1.25 m

9.85 m

or 9 m 85 cm

or 9 m 85 cm [1 m = 100 cm]

(b) 19 kg 475 g – 14 kg 650 g

19 kg 475 g = 19.475 kg

14 kg 650 g = – 14.650 kg

4.825 kg

or 4 kg 825 g

(c) 8 L 450 mL × 7

8 L 450 mL = 8.450 L

8.450

× 7

59.150

or 59 L 150 mL

(d) 32 kL 56 L ÷ 8

= 32.056 kL ÷ 8

= 4.007 kL or 4 kL 7L

2. (a) 7 kL 4 hL 7 daL 2 L into litres

7 kL = 7000 L

4 hL = 400 L

7 daL = 70 L

2 L = + 2 L

7472 L

(b) 7695 mg into grams and milligrams

$1 \text{ mg} = \frac{1}{1000} \text{ g}$

7695 mg = (7695 ÷ 1000) g

= 7.695 g or 7 g 695 mg

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(c) 25 m 7 dm into centimetres

(25×100) cm = 25 m

2500 cm = 25 m

7 dm = (7×10) cm

= 70 cm

25 m 7 dm = $(2500 + 70)$ cm

= 2570 cm

III. 1. Box 1: 14.25 kg, Box 2: 23.75 kg, Box 3: 9.50 kg

2. (b) 3. (a)

IV. 1. (a) 2. (a) 3. (a)

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