ST. ANDREWS SCOTS SCHOOL

Adjacent Navniti Apartments,
I.P. Extension, Patparganj, Delhi-110092

Session: 2025-2026

Class: IV **Subject: Mathematics** **Topic: Unit -9 (Measurement)**

Warm up (pg-133)

Ex-1 Q.1(Book)

Q.2 a,d,f(Notebook)

Ex-2 Q.2,3,4,6,8 (Notebook)

Ex-3 Q.1 a,c; Q.2 a,c; Q.3 a,c ; Q.4 a,c(Notebook)

Ex-4 Q.1 a,b; Q.2 a,b ; Q.3 a,c (Notebook)

Ex-5 Q.1 b,c,e,g; Q.2 a,d,e,h; Q.4; Q.6; Q.7; Q.8(Notebook)

Worksheet

Lesson-9 : Measurement

Warm Up

1 m 80 cm	<	2 km
8000 g	=	8 kg
5 ℓ	>	400 mℓ
2 kg 200 g	<	3 kg
2 m	=	200 cm
1100 mℓ	>	10 ℓ
4 kg	=	4000 g
9 m 90 cm	>	9 m
300 mℓ	<	4 ℓ
800 cm	=	8 m

>	=	<
P	Q	(I)
E	(L)	T
(O)	R	T
M	N	(V)
Z	(E)	W
(M)	C	O
S	(A)	E
(T)	X	P
Z	O	(H)
P	(S)	W

Message : I LOVE MATHS

Exercise-1

1. **(a)** km **(b)** cm **(c)** m **(d)** cm **(e)** cm

2. **(a)** 5 m 25 cm = 5 × 100 cm + 25 cm = 500 cm + 25 cm = 525 cm

(b) 62 cm 4 mm = 62 × 10 mm + 4 mm = 620 mm + 4 mm = 624 mm

(c) 13 dm 5 cm = 13 × 10 cm + 5 cm = 130 cm + 5 cm = 135 cm

(d) 9 m 82 mm = 9 × 1000 mm + 82 mm = 9000 mm + 82 mm = 9082 mm

(e) 4 m 3 dm 2 cm = 4 × 100 cm + 3 × 10 cm + 2 cm

= 400 cm + 30 cm + 2 cm = 432 cm

(f) 6 km 42 m 12 cm = 6 × 100000 cm + 42 × 100 cm + 12 cm

= 600000 cm + 4200 cm + 12 cm = 604212 cm

Exercise-2

1. 50 mm = (50 ÷ 10) cm = 5 cm

2. 142 mm = (142 ÷ 10) cm = 14 cm 2 mm

3. 625 cm = (625 ÷ 100) m = 6 m 25 cm

4. 5285 cm = (5285 ÷ 100) m = 52 m 85 cm

5. 921 dm = (921 ÷ 10) m = 92 m 1 dm

6. 827 dm = (827 ÷ 10) m = 82 m 7 dm

7. 8000 m = (8000 ÷ 1000) km = 8 km

8. 9257 m = (9257 ÷ 1000) km = 9 km 257 m

9. 6578 m = (6578 ÷ 1000) km = 6 km 578 m

Exercise-3

1. (a) $12\ \text{kg} = 12 \times 1000\ \text{g} = 12000\ \text{g}$

(b) $7\ \text{kg}\ 256\ \text{g} = 7 \times 1000\ \text{g} + 256\ \text{g} = 7000\ \text{g} + 256\ \text{g} = 7256\ \text{g}$

(c) $15\ \text{kg}\ 15\ \text{g} = 15 \times 1000\ \text{g} + 15\ \text{g} = 15000\ \text{g} + 15\ \text{g} = 15015\ \text{g}$

2. (a) $19\ \text{g} = 19 \times 1000\ \text{mg} = 19000\ \text{mg}$

(b) $25\ \text{g}\ 25\ \text{mg} = 25 \times 1000\ \text{mg} + 25\ \text{mg} = 25000\ \text{mg} + 25\ \text{mg} = 25025\ \text{mg}$

(c) $82\ \text{g}\ 82\ \text{mg} = 82 \times 1000\ \text{mg} + 82\ \text{mg} = 82000\ \text{mg} + 82\ \text{mg} = 82082\ \text{mg}$

3. (a) $2387\ \text{g} = (2387 \div 1000)\ \text{kg} = 2\ \text{kg}\ 387\ \text{g}$

(b) $6700\ \text{g} = (6700 \div 1000)\ \text{kg} = 6\ \text{kg}\ 700\ \text{g}$

(c) $8080\ \text{g} = (8080 \div 1000)\ \text{kg} = 8\ \text{kg}\ 80\ \text{g}$

4. (a) $4200\ \text{mg} = (4200 \div 1000)\ \text{g} = 4\ \text{g}\ 200\ \text{mg}$

(b) $3255\ \text{mg} = (3255 \div 1000)\ \text{g} = 3\ \text{g}\ 255\ \text{mg}$

(c) $7288\ \text{mg} = (7288 \div 1000)\ \text{g} = 7\ \text{g}\ 288\ \text{mg}$

Exercise-4

1. (a) $15\ \text{k}\ell = 15 \times 1000\ \ell = 15000\ \ell$

(b) $8\ \text{k}\ell\ 8\ \ell = 8 \times 1000\ \ell + 8\ \ell = 8000\ \ell + 8\ \ell = 8008\ \ell$

(c) $12\ \text{k}\ell\ 265\ \ell = 12 \times 1000\ \ell + 265\ \ell = 12000\ \ell + 265\ \ell = 12265\ \ell$

2. (a) $28\ \ell = 28 \times 1000\ \text{m}\ell = 28000\ \text{m}\ell$

(b) $7\ \ell\ 270\ \text{m}\ell = 7 \times 1000\ \text{m}\ell + 270\ \text{m}\ell = 7000\ \text{m}\ell + 270\ \text{m}\ell = 7270\ \text{m}\ell$

(c) $10\ \ell\ 450\ \text{m}\ell = 10 \times 1000\ \text{m}\ell + 450\ \text{m}\ell = 10000\ \text{m}\ell + 450\ \text{m}\ell = 10450\ \text{m}\ell$

3. (a) $62000\ \ell = (62000 \div 1000)\ \text{k}\ell = 62\ \text{k}\ell$

(b) $7280\ \ell = (7280 \div 1000)\ \text{k}\ell = 7\ \text{k}\ell\ 280\ \ell$

(c) $15255\ \ell = (15255 \div 1000)\ \text{k}\ell = 15\ \text{k}\ell\ 255\ \ell$

Exercise-5

1. (a) 25 cm + 65 cm = 90 cm

Write 90 under the cm column.

15 m + 8 m = 23 m

Write 23 under the m column.

m	cm
15	25
+ 8	65
23	90

15 m 25 cm + 8 m 65 cm

= 23 m 90 cm

(b) 250 g + 127 g = 377 g

Write 377 under the g column.

75 kg + 62 kg = 137 kg

Write 137 under the kg column.

kg	g
75	250
+ 62	127
137	377

75 kg 250 g + 62 kg 127 g

= 137 kg 377 g

(c) 175 m + 675 m = 850 m

Write 850 under the m column.

42 km + 69 km = 111 km

Write 111 under the km column.

km	m
42	175
+ 69	675
111	850

42 km 175 m + 69 km 675 m

= 111 km 850 m

(d) 455 mℓ + 285 mℓ = 740 mℓ

Write 740 under the mℓ column.

8 ℓ + 16 ℓ = 24 ℓ

Write 24 under the ℓ column.

ℓ	mℓ
8	455
+ 16	285
24	740

8 ℓ 455 mℓ + 16 ℓ 285 mℓ

= 24 ℓ 740 mℓ

(e) 672 g + 372 g = 1044 g

= 1000 g + 44 g = 1 kg + 44 g

Write 44 under the g column

and carry 1 to the kg column.

1 kg + 54 kg + 67 kg = 122 kg

Write 122 under the kg column.

kg	g
①	
54	672
+ 67	372
122	044

54 kg 672 g + 67 kg 372 g

= 122 kg 44 g

(f) 333 mℓ + 666 mℓ = 999 mℓ

Write 999 under the mℓ column.

33 ℓ + 66 ℓ = 99 ℓ

Write 99 under the ℓ column.

ℓ	mℓ
33	333
+ 66	666
99	999

33 ℓ 333 mℓ + 66 ℓ 666 mℓ

= 99 ℓ 999 mℓ

(g) 256 m + 128 m = 384 m

Write 384 under the m column.

128 km + 64 km = 192 km

Write 192 under the km column.

km	m
128	256
+ 64	128
192	384

128 km 256 m + 64 km 128 m

= 192 km 384 m

(h) 67 cm + 27 cm = 94 cm

Write 94 under the cm column.

85 m + 37 m = 122 m

Write 122 under the m column.

m	cm
85	67
+ 37	27
122	94

85 m 67 cm + 37 m 27 cm

= 122 m 94 cm

2. (a) Since 100 g < 400 g, we borrow 1 kg from 32 kg leaving behind 31 kg.

1 kg + 100 g = 1000 g + 100 g = 1100 g

Now, 1100 g – 400 g = 700 g

Write 700 under the g column.

31 kg – 17 kg = 14 kg

Write 14 under the kg column.

32 kg 100 g – 17 kg 400 g = 14 kg 700 g

kg	g
(31)	(1100)
~~32~~	~~100~~
– 17	400
14	700

(b) Since 250 mℓ < 650 mℓ, we borrow 1 ℓ from 10 ℓ leaving behind 9 ℓ.

1 ℓ + 250 mℓ = 1000 mℓ + 250 mℓ = 1250 mℓ

Now, 1250 mℓ – 650 mℓ = 600 mℓ

Write 600 under the mℓ column.

9 ℓ – 5 ℓ = 4 ℓ

Write 4 under the ℓ column.

10 ℓ 250 mℓ – 5 ℓ 650 mℓ = 4 ℓ 600 mℓ

ℓ	mℓ
(9)	(1250)
~~10~~	~~250~~
– 5	650
4	600

(c) Since 625 m < 800 m, we borrow 1 km from 55 km leaving behind 54 km.

1 km + 625 m = 1000 m + 625 m = 1625 m

Now, 1625 m – 800 m = 825 m

Write 825 under the m column.

54 km – 34 km = 20 km

Write 20 under the km column.

55 km 625 m – 34 km 800 m = 20 km 825 m

km	m
(54)	(1625)
~~55~~	~~625~~
– 34	800
20	825

(d) 40 cm – 25 cm = 15 cm

Write 15 under the cm column.

27 m – 19 m = 8 m

Write 8 under the m column.

27 m 40 cm – 19 m 25 cm = 8 m 15 cm

m	cm
27	40
– 19	25
8	15

(e) Since 350 g < 450 g, we borrow 1 kg from 81 kg leaving behind 80 kg.

1 kg + 350 g = 1000 g + 350 g = 1350 g

Now, 1350 g – 450 g = 900 g

Write 900 under the g column.

80 kg – 73 kg = 7 kg

Write 7 under the kg column.

81 kg 350 g – 73 kg 450 g = 7 kg 900 g

kg	g
(80)	(1350)
~~81~~	~~350~~
– 73	450
7	900

(h) Since 700 m < 825 m, we borrow 1 km from 72 km leaving behind 71 km.

1 km + 700 m = 1000 m + 700 m = 1700 m

Now, 1700 m – 825 m = 875 m

Write 875 under the m column.

71 km – 66 km = 5 km

Write 5 under the km column.

72 km 700 m – 66 km 825 m = 5 km 875 m

km	m
(71)	(1700)
~~72~~	~~700~~
– 66	825
5	875

3. Quantity of juice left in the pack = 2 ℓ 200 mℓ – 750 mℓ

= 2200 mℓ – 750 mℓ

= 1450 mℓ = 1 ℓ 450 mℓ

①	⑪	⑩		
~~2~~	~~2~~	~~0~~	0	mℓ
– 7		5	0	mℓ
1	4	5	0	mℓ

4. Total weight of vegetables bought

= 2 kg 400 g + 1 kg 550 g

= 3 kg 950 g

kg	g
2	400
+ 1	550
~~3~~	~~950~~

5. Weight of apples left with the shopkeeper

= 9 kg 500 g – 4 kg 750 g

= 4 kg 750 g

kg	g
(8)	(1500)
~~9~~	~~500~~
– 4	750
4	750

6. Total distance travelled by Jeet = 5 km 250 m + 3 km 450 m + 600 m

= 9 km 300 m

km	m
①	
5	250
3	450
+ 0	600
9	300

7. Length of the ribbon left = 32 m – 18 m 75 cm

= 13 m 25 cm

m	cm
(31)	(100)
~~32~~	~~00~~
– 18	75
13	25

8. Since, 3 kg 525 g > 2 kg 750 g, therefore watermelon is heavier.

Difference in weights = 3 kg 525 g – 2 kg 750 g

= 775 g

So, the weight of watermelon is 775 g more than that of papaya.

kg	g
(2)	(1525)
~~3~~	~~525~~
– 2	750
0	775