

Length, Mass and Capacity Conversions

Unit: Measurement - Student Practice Worksheet

Overview: A carpenter's order slip said 2 m 45 cm of wood. The saw only understood centimetres. Farhan, the carpenter's apprentice, had thirty seconds to convert it before the blade started. Get the units wrong and the wood is cut short — or wasted.

Practice Questions (30 Total)

Section A - Easy

Q1. One metre bar split into centimetres. How many cm?

$$\boxed{1 \text{ m}} = \boxed{100 \text{ cm}} \times 100$$

- ☐ A. 100
- ☐ B. 10
- ☐ C. 1000
- ☐ D. 1

Q2. 1 km = ? m

- ☐ A. 100
- ☐ B. 1000
- ☐ C. 10
- ☐ D. 10000

Q3. 1 L = ? ml

- ☐ A. 10
- ☐ B. 10000
- ☐ C. 100
- ☐ D. 1000

Q4. Two metre bars. How many cm in total?

2 m	=	200 cm	x100
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- ☐ A. 200
- ☐ B. 20
- ☐ C. 2000
- ☐ D. 2

Q5. 1 kg = ? g

- ☐ A. 100
- ☐ B. 10
- ☐ C. 1000
- ☐ D. 10000

Q6. 4 L = ? ml

- ☐ A. 400
- ☐ B. 40000
- ☐ C. 40
- ☐ D. 4000

Q7. One centimetre split into millimetres. How many mm?

1 cm	=	10 mm	x10
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- ☐ A. 100
- ☐ B. 1
- ☐ C. 10
- ☐ D. 1000

Q8. 5 kg = ? g

- ☐ A. 500
- ☐ B. 5000
- ☐ C. 50
- ☐ D. 50000

Q9. 7 cm = ? mm

- ☐ A. 7
- ☐ B. 70
- ☐ C. 700
- ☐ D. 0.7

Q10. Three kilometres on a road, in metres.

3 km	=	3000 m	x1000
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- ☐ A. 3000
- ☐ B. 300
- ☐ C. 30000
- ☐ D. 30

Section B - Medium

Q11. A 250 cm tape folded into metres. How many m?

250 cm	=	2.5 m	÷100
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- ☐ A. 2.5
- ☐ B. 25
- ☐ C. 0.25
- ☐ D. 250

Q12. 1500 m = ? km

- ☐ A. 15
- ☐ B. 1.5
- ☐ C. 150
- ☐ D. 0.15

Q13. 750 ml = ? L

- ☐ A. 7.5
- ☐ B. 0.075
- ☐ C. 75
- ☐ D. 0.75

Q14. 3.5 m of cloth in centimetres. How many cm?

3.5 m	=	350 cm	x100
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- ☐ A. 350
- ☐ B. 35
- ☐ C. 3500
- ☐ D. 0.35

Q15. 2500 g = ? kg

- ☐ A. 0.25
- ☐ B. 25
- ☐ C. 2.5
- ☐ D. 250

Q16. 1.2 L = ? ml

- ☐ A. 120
- ☐ B. 12000
- ☐ C. 12
- ☐ D. 1200

Q17. Forty-five millimetre ticks. How many cm?

45 mm	=	4.5 cm	÷10
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- ☐ A. 4.5
- ☐ B. 450
- ☐ C. 0.45
- ☐ D. 45

Q18. 4.5 kg = ? g

- ☐ A. 450
- ☐ B. 45
- ☐ C. 4500
- ☐ D. 45000

Q19. 6800 m = ? km

- ☐ A. 68
- ☐ B. 6.8
- ☐ C. 0.68
- ☐ D. 680

Q20. A quarter kilometre walk, in metres.

0.25 km	=	250 m	x1000
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- ☐ A. 25
- ☐ B. 250
- ☐ C. 2500
- ☐ D. 0.25

Section C - Challenge

Q21. 2 km plus 350 m on one metre stick. Total m?

2 km 350 m	=	2350 m	mix
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- ☐ A. 2350
- ☐ B. 2035
- ☐ C. 2530
- ☐ D. 23500

Q22. Convert 5 kg 250 g to grams.

- ☐ A. 5025
- ☐ B. 5250
- ☐ C. 5205
- ☐ D. 52500

Q23. Convert 3 L 400 ml to millilitres.

- ☐ A. 3040
- ☐ B. 3004
- ☐ C. 3400
- ☐ D. 34000

Q24. Two length bars joined. Sum as m and cm?



- ☐ A. 3 m 120 cm
- ☐ B. 3 m 20 cm
- ☐ C. 3 m 100 cm
- ☐ D. 4 m 20 cm

Q25. Subtract 1 kg 250 g from 3 kg.

- ☐ A. 1 kg 750 g
- ☐ B. 2 kg 250 g
- ☐ C. 1 kg 250 g
- ☐ D. 2 kg 750 g

Q26. A 5 m rope is cut into 25 cm pieces. How many pieces?

- ☐ A. 5
- ☐ B. 20
- ☐ C. 200
- ☐ D. 500

Q27. Jug 2.5 L filled into 250 ml glasses. How many?



2.5 L jug, 250 ml glasses

- ☐ A. 25
- ☐ B. 100
- ☐ C. 10
- ☐ D. 1

Q28. Farhan's uncle said skipping the conversion step gives a 'technically true, completely useless' answer. What did he mean?

- ☐ A. Farhan should not use a calculator
- ☐ B. The numbers might be right in one unit but meaningless if the saw expects another
- ☐ C. The order slip was written incorrectly
- ☐ D. Conversion is only needed for very large numbers

Q29. Twelve packets each weigh 750 g. Find the total in kilograms.

- ☐ A. 0.9 kg
- ☐ B. 90 kg
- ☐ C. 12.75 kg
- ☐ D. 9 kg

Q30. A 45 L tank in millilitres. How many ml?

45 L	=	45000 ml	x1000
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- ☐ A. 45000
- ☐ B. 4500
- ☐ C. 450000
- ☐ D. 450

Answer Key

- Q1:** (A) (a) 100. A metre is a hundred centimetres.
- Q2:** (B) (b) 1000. A kilometre is a thousand metres.
- Q3:** (D) (d) 1000. A litre is a thousand millilitres.
- Q4:** (A) (a) 200. Two metres is two hundred centimetres.
- Q5:** (C) (c) 1000. A kilogram is a thousand grams.
- Q6:** (D) (d) 4000. Four thousand millilitres.
- Q7:** (C) (c) 10. A centimetre is ten millimetres.
- Q8:** (B) (b) 5000. Five thousand grams.
- Q9:** (B) (b) 70. Seventy millimetres.
- Q10:** (A) (a) 3000. Three thousand metres.
- Q11:** (A) (a) 2.5. Dividing by 100 shifts the point two places left.
- Q12:** (B) (b) 1.5. Dividing by 1000 shifts the point three places left.
- Q13:** (D) (d) 0.75. Dividing by 1000.
- Q14:** (A) (a) 350. Multiplying by 100.
- Q15:** (C) (c) 2.5. Dividing by 1000.
- Q16:** (D) (d) 1200. Multiplying by 1000.
- Q17:** (A) (a) 4.5. Dividing by 10.
- Q18:** (C) (c) 4500. Multiplying by 1000.
- Q19:** (B) (b) 6.8. Dividing by 1000.
- Q20:** (B) (b) 250. Multiplying by 1000.
- Q21:** (A) (a) 2350. 2 km is 2000 m, plus 350 m.
- Q22:** (B) (b) 5250. 5 kg is 5000 g, plus 250 g.
- Q23:** (C) (c) 3400. 3 L is 3000 ml, plus 400 ml.
- Q24:** (D) (d) 4 m 20 cm. The centimetres total 120, which regroups into 1 more metre and 20 cm.
- Q25:** (A) (a) 1 kg 750 g. Convert 3 kg to 3000 g, subtract 1250 g, giving 1750 g.
- Q26:** (B) (b) 20. Convert 5 m to 500 cm first, then divide by 25.
- Q27:** (C) (c) 10. Convert 2.5 L to 2500 ml, then divide by 250.
- Q28:** (B) (b) The numbers might be right in one unit but meaningless if the saw expects another. A correct number in the wrong unit still causes the wrong cut.
- Q29:** (D) (d) 9 kg. $12 \times 750 = 9000$ g, which is 9 kg.
- Q30:** (A) (a) 45000. Multiplying by 1000.
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