bananalearn

LEARN IT. UNDERSTAND IT. TRY IT.

Converting metric units for Grade 5

Practice worksheet - Maths · Grade 5

Name: _____ Date: _____

Show your working. Answers and explanations follow on a separate page.

Try each task before opening its answer. Give an example or reason, not only a label.

Write an answer and your reason before opening the explanation. Check the reasoning as well as the final answer.

1. Convert 3.7 m to centimetres.

2. Convert 45 cm to millimetres.

3. Convert 2.05 km to metres.

4. Convert 4.025 kg to grams.

5. Convert 650 mL to litres.

6. Convert 8,400 g to kilograms.

7. Write 3 m 8 cm in centimetres.

8. Write 3 m 8 cm in metres.

9. Which is greater: 1.4 L or 1,250 mL, and by how much?

10. Add 2 kg 400 g and 850 g.

11. Subtract 75 cm from 1.2 m.

12. Convert 0.36 m to millimetres.

13. Why is 900 mL = 9 L unreasonable?

14. Can 5 kg be converted directly to centimetres?

15. Is 1 m^2 equal to 100 cm^2?

16. Write and reverse a conversion between litres and millilitres.

Answers and explanations

Answer key - Maths · Grade 5

Converting metric units for Grade 5

1. 370 cm.

Multiply by 100 because each metre contains 100 centimetres.

2. 450 mm.

Each centimetre contains 10 millimetres.

3. 2,050 m.

Multiply by 1,000; the decimal part is 50 m.

4. 4,025 g.

Four kilograms plus 25 grams gives the same mass.

5. 0.65 L.

Divide by 1,000; the amount is below one litre.

6. 8.4 kg.

Divide by 1,000.

7. 308 cm.

Three metres gives 300 cm; add the remaining 8 cm.

8. 3.08 m.

Eight centimetres is eight hundredths of a metre.

9. 1.4 L is greater by 150 mL.

1.4 L = 1,400 mL; subtract 1,250 mL.

10. 3 kg 250 g, or 3.25 kg.

2,400 + 850 = 3,250 g.

11. 45 cm.

1.2 m = 120 cm; 120 − 75 = 45.

12. 360 mm.

One metre contains 1,000 millimetres.

13. 900 mL is below 1,000 mL, so it must be below one litre.

The correct conversion is 0.9 L.

14. No.

Mass and length are different quantities.

15. No; it is 10,000 cm^2.

A 1 m by 1 m square is 100 cm by 100 cm.

16. For example, 2.3 L = 2,300 mL, and 2,300 mL = 2.3 L.

Use the same factor of 1,000 in opposite directions.