



Converting Measures - Level 2

1 inch	=	2.5 cm
5 miles	=	8 km
1 kg	=	2.2 lb
1 gallon	=	4 litres
1 metre	=	3 feet

Use the approximate conversions in the table to answer the following questions.

1. A garden is 575 inches long. A fence is needed along one long side.
What length fence would you need in centimetres?
2. A broken down car weighs 870 kg. The tow truck measures weight in pounds. **How heavy is the car in lbs?**
3. A lorry holds 124 gallons of fuel. **What is this amount in litres?**
4. A house is 27ft wide and 33ft long. **What are these measurements in metres?**
5. A train travels 544km to get from London to Cardiff.
How far is this distance in miles?
6. A joiner measures a length of timber for a door frame. The timber measurements are 150cm by 175cm. **What is this distance in inches?**
7. A man weighs 185 lb and his friend weighs 79 kg.
What is their combined weight in kilograms?
8. A car travels 10,625 miles in a year.
How far has the car travelled in kilometres?
9. A swimming pool holds 908 litres of water. **How much is this in gallons?**
10. A shopper wants to buy curtains at least 80 inches long.
How long is 80 inches in centimetres?
11. A fish tank holds 60 gallons of water. The owner replaces one quarter of the water each week. **How many litres does he replace each week?**

Converting Measures - Answers

1 inch	=	2.5 cm
5 miles	=	8 km
1 kg	=	2.2 lb
1 gallon	=	4 litres
1 metre	=	3 feet

1. $575 \times 2.5 = 1437.5\text{cm}$
2. $870 \times 2.2 = 1914\text{ lb}$
3. $124 \times 4 = 496\text{ litres}$
4. $27 \div 3 = 9\text{m}$
 $33 \div 3 = 11\text{m}$
5. $544 \times 5 \div 8 = 2720 \div 8 = 340\text{ miles}$
6. $150 \div 2.5 = 60\text{ inches}$
 $175 \div 2.5 = 70\text{ inches}$
7. $185 \div 2.2 = 84.09\text{ kg}$. Friend weighs 79 kg.
So combined weight = $84 + 79 = 163\text{kg}$
8. $10,625 \times 8 \div 5 = 17\,000\text{km}$
9. $908 \div 4 = 227\text{ gallons}$
10. $80 \times 2.5 = 200\text{cm}$
11. $60 \div 4 = 15\text{ gallons of water replaced each week}$.
 $15 \times 4 = 60\text{ litres}$