

Arithmetic

1. 70×9 2. $5,050 - 126$ 3. 40×0 4. 3^3

Practice: Metric and Imperial

5. Recap: What does the symbol \approx mean?6. Use 1 inch \approx 2.5cm to convert between these measurements.a. 2 inches b. 12 inches c. 5 inches7. Use 1 inch \approx 2.5cm to convert between these measurements.a. 7.5cm b. 25cm c. 12.5cm8. Use 1 kg \approx 2lb to convert between these measurements.a. 3kg b. 0.5kg c. 17.6kg9. Use 1 kg \approx 2lb to convert between these measurements.a. 18lb b. 15lb c. 12.5

10. Why is it useful to know the approximate equivalences between metric and imperial measures?

11. Use 1 pint \approx 568ml to convert between these measurements.a. 2 pints b. $\frac{1}{2}$ pint c. 5 pints12. Use 1 pint \approx 568ml to convert between these measurements.a. 5,680ml b. 2,272ml c. 1,420ml13. Alfie says $1.5\text{kg} \approx 2.5\text{lb}$. Is this correct? Explain.14. 1 pint \approx 568ml

What other facts can you derive from this?

For example, 3 pints \approx 1,704ml

You might want to talk to an adult



Spot the mistake

Answers

Q no.	Question	Answer
1	70×9	630
2	$5,050 - 126$	4,924
3	40×0	0
4	3^3	27
5	What does the symbol \approx mean?	The \approx symbol means approximate equivalence. We use approximate equivalences when converting between metric and imperial measure to make conversion easier.
6	Use 1 inch \approx 2.5cm to convert between these measurements.	a. 5cm, b. 30cm, c. 12.5cm
7	Use 1 inch \approx 2.5cm to convert between these measurements.	a. 3 inches, b. 10 inches, c. 5 inches
8	Use 1 kg \approx 2lb to convert between these measurements.	a. 6lb, b. 1lb, c. 35.2lb
9	Use 1 kg \approx 2lb to convert between these measurements.	a. 9kg, b. 7.5, c. 6.25
10	Why is it useful to know the approximate equivalences between metric and imperial measures?	Most countries will predominantly use metric or imperial measures. There will, however, be occasions when a country will use both. For example, it is common in the United Kingdom to measure height in centimetres/ metres but also in feet/ inches. By knowing approximate equivalences, it is easier to convert to a unit of measure that is familiar to the person.
11	Use 1 pint \approx 568ml to convert between these measurements.	a. 1,136ml, b. 284ml, c. 2,840ml
12	Use 1 pint \approx 568ml to convert between these measurements.	a. 10 pints, b. 4 pints, c. 2.5 pints
13	Alfie says $1.5\text{kg} \approx 2.5\text{lb}$. Is this correct? Explain.	Alfie is incorrect. He has added 0.5 to both sides. This shows that he does not understand how to find equivalents. The correct answer is 3lb.
14	1 pint \approx 568ml What other facts can you derive from this? For example, 3 pints \approx 1,704ml	Answers will vary. Encourage the pupils to use numbers different to the ones in question 11 and 12. They could, however, combine information given, such as 2 pints \approx 1,136ml and $\frac{1}{2}$ pint \approx 284ml so $2\frac{1}{2}$ pints \approx 1,420ml