Solve Problems Involving the Calculation of Units of Measure

Challenge Cards

1. A joiner needs 12 lengths of wood measuring 245mm and 6 pieces measuring 582mm. The wood is sold in lengths of 3m.

Calculate how many lengths of wood are needed, and how best to cut the lengths so the longest piece is left over.

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2. A tin contains 425g baked beans in sauce. The tin itself weighs 60g.

How much will a pack of 6 tins weigh in kilograms?

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3. A box of 12 tins of condensed soup weighs 4.02kg. The tin itself weighs 40g.

How much does the soup in each tin weigh in grams?

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4. A supermarket sells branded mineral water in a pack of 8 × 500ml for £1.99 and its own brand mineral water in packs of 6 × 500ml for £1.40.

Explain why the own brand is cheaper per bottle.

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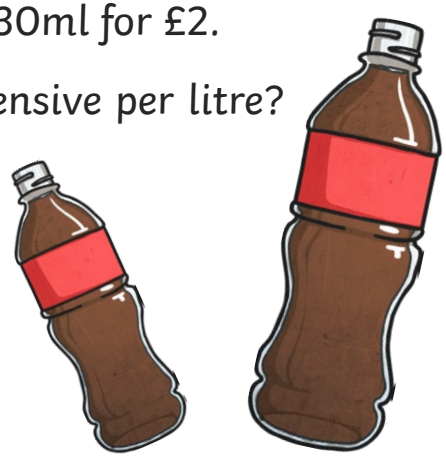
5. One brand of cola – CoFizz- is sold in packs of 4 x 500ml for £2.50. Another brand – Colo - is sold in packs of 10 × 330ml for £2.

Which brand is more expensive per litre?



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6. Bags of penny sweets cost £1 per 120g. How much will it cost Sam if he buys 0.660kg of sweets?

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7. A long distance runner usually runs 30km in 5 hours. If he runs at an even pace throughout, how many metres should he have run after 75 minutes?

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