

Solve Problems Involving the Calculation of Units of Measure

Challenge Cards Answers



Solve Problems Involving the Calculation of Units of Measure - Answers

1. $245\text{mm} \times 12 = 2940\text{mm} = 2.94\text{m}$ – use 1 length, 6cm left over.
 $582\text{mm} \times 6 = 3492\text{mm} = 3.49\text{m}$ – use 2 lengths.
 $582\text{mm} \times 5 = 2910\text{mm} = 2.91\text{m}$, so 1 length will give 5 pieces, leaving 9cm.

582mm will be cut from 3rd length leaving 2.418m. **3 lengths will be needed, leaving a piece 2.418m long and 2 pieces 9cm and 6cm**

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2. 2.91kg

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3. 295g

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4. Branded: $\text{£}1.99 \div 8 = 25\text{p}$

Supermarket: $\text{£}1.40 \div 6 = 23\text{p}$

The Supermarket brand is cheaper because, even though there are fewer bottles of water, each bottle costs 2p less than the branded water.

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5. CoFizz: $2\text{l} = \text{£}2.50$

Colo: $10 \times 330\text{ml} = 3.3\text{l} = \text{£}2$

CoFizz is more expensive per litre.

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6. $0.660\text{kg} = \text{£}5.50$

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7. 7500m