

Maths Mastery

Solve Problems

Challenge Cards

Maths Mastery - Solve Problems

1. Baked beans are sold individually (75p), in packs of 4 (£2.69) and packs of 6 (£3.85). What is the cheapest way to buy 12 tins of baked beans?

The 4-pack is on offer at £2. How much can be saved in buying 12 tins in packs of 4?

With the offer price, how much is saved per tin buying a 4-pack rather than 4 individual tins?



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2. A large box of pencils costs £360. In each box there are 100 packets of pencils, each with 12 pencils.

How much does each pencil cost?

What cost would be found by calculating $£360 \div 12$?



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3. Write the missing numbers.

$$90 \div \square = 4.5$$

$$\square \times 30 = 1050$$

$$\square + 630 = 1600$$

$$243 - \square = 160$$

$$\square \div 40 = 40$$

$$\square \times 100 = 2800$$

$$19\,800 + \square = 23\,200$$

$$17 - \square = -18$$

4. A teaching assistant makes some biscuits to sell at a school bake sale. The recipe uses 300g flour, 125g butter, 200ml milk to make 12 biscuits.

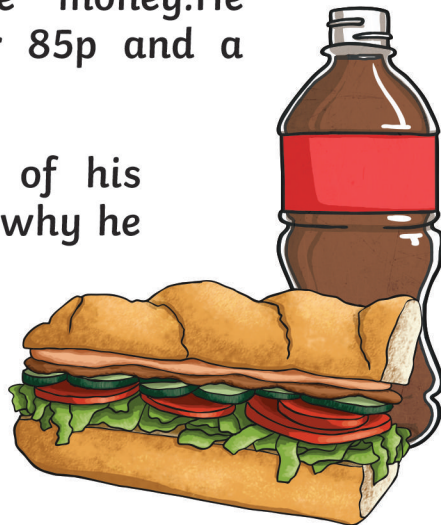
1.5kg flour costs 80p, 250g butter costs 85p, 2 litres of milk costs £1.90.

What is the cost of ingredients to make 120 biscuits?



5. Janek had some money. He bought a drink for 85p and a sandwich for £1.40.

He has two-thirds of his money left. Explain why he started with £6.75.



Maths Mastery - Solve Problems Answers

- Two packs of 6 (£7.70). 4 packs £8.07 or individually £9.
£2.07
25p
- 30p, The cost of 1 pencil from each packet. (If the pencils were different colours, it could be the cost of all the red pencils in the large box.)
- $90 \div 20 = 4.5$
 $35 \times 30 = 1050$
 $970 + 630 = 1600$
 $243 - 83 = 160$
 $1600 \div 40 = 40$
 $28 \times 100 = 2800$
 $19\ 800 + 3400 = 23\ 200$
 $17 - 35 = -18$
- £7.75
- He spent £2.25. If 2 thirds is left he spent 1 third. He started with $\text{£}2.25 \times 3 = \text{£}6.75$.