Maths Mastery
Solve Problems
Challenge Cards

twinkl

---

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?

---

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÷12?

---

3. Write the missing numbers.

$$90 \div \boxed{} = 4.5$$

$$\boxed{} \times 30 = 1050$$

$$\boxed{} + 630 = 1600$$

$$243 - \boxed{} = 160$$

$$\boxed{} \div 40 = 40$$

$$\boxed{} \times 100 = 2800$$

$$19\,800 + \boxed{} = 23\,200$$

$$17 - \boxed{} = -18$$

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

1. Two packs of 6 (£7.70). 4 packs £8.07 or individually £9.
   £2.07
   25p

2. 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.)

3. $90 \div 20 = 4.5$

   $35 \times 30 = 1050$

   $970 + 630 = 1600$

   $243 - 83 = 160$

   $1600 \div 40 = 40$

   $28 \times 100 = 2800$

   $19\,800 + 3400 = 23\,200$
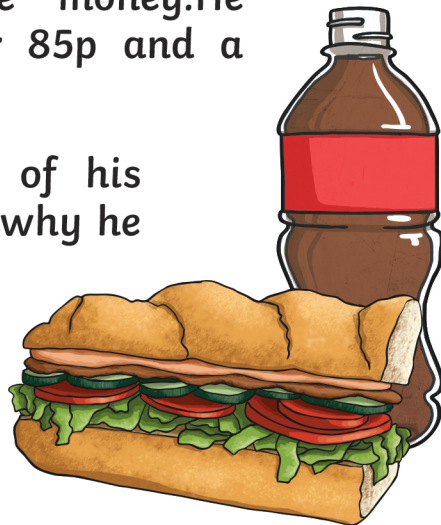
   $17 - 35 = -18$

4. £7.75

5. He spent £2.25. If 2 thirds is left he spent 1 third. He started with $£2.25 \times 3 = £6.75$.