

Maths Problem Solving

1. Which has the most biscuits:

4 packets of biscuits with 5 in each packet, or

3 packets of biscuits with 10 in each packet?

Explain your reasoning.

2. Write these addition sentences as multiplication sentences.

$$10 + 10 + 10 + 5 + 5 =$$

$$2 + 2 + 2 + 4 =$$

$$2 + 2 + 4 + 4 =$$

$$5 + 5 + 5 + 2 + 3 =$$

3. Find different ways to find the answer to 12×4 .



4. True or false?

$$5 \times 4 = 4 \times 5$$

$$5 \times 4 = 10 \times 2$$

$$5 \times 4 = 2 \times 10$$

Explain your reasoning.

What do you notice?

5. Together Rosie and Jim have £12.

Rosie has twice as much as Jim.

How much does Jim have?

6. Two friends want to buy some marbles and then share them out equally between them.

They could buy a bag of 13 marbles, a bag of 14 marbles or a bag of 19 marbles.

What size bag should they buy so that they can share them equally?

What other numbers of marbles could be shared equally?

Explain your reasoning.