

STRETCH AND CHALLENGE

MULTIPLICATION AND DIVISION | QUESTION 1

How many ways can you show the calculations?

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2$$

$$5 + 5 + 5 + 5$$

$$10 + 10$$

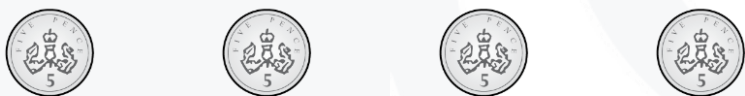
What do you notice?

STRETCH AND CHALLENGE

MULTIPLICATION AND DIVISION | QUESTION 1

ANSWERS

Multiple possible answers. E.g.



They all are equal to 20

STRETCH AND CHALLENGE

MULTIPLICATION AND DIVISION | QUESTION 2

A shop sells sweets in bags of 10

The shop has more than 65 sweets but fewer than 95 sweets.

a) How many bags could the shop make?

b) The shop sells the bags for £2

How much could it cost to buy all the bags?

c) The shop has 50 stickers.

They want to put them into bags, with the same number of stickers in each bag.

Show ways to do this.

STRETCH AND CHALLENGE

MULTIPLICATION AND DIVISION | QUESTION 2

ANSWERS

a) 7, 8 or 9 bags

b) £14, £16 or £18

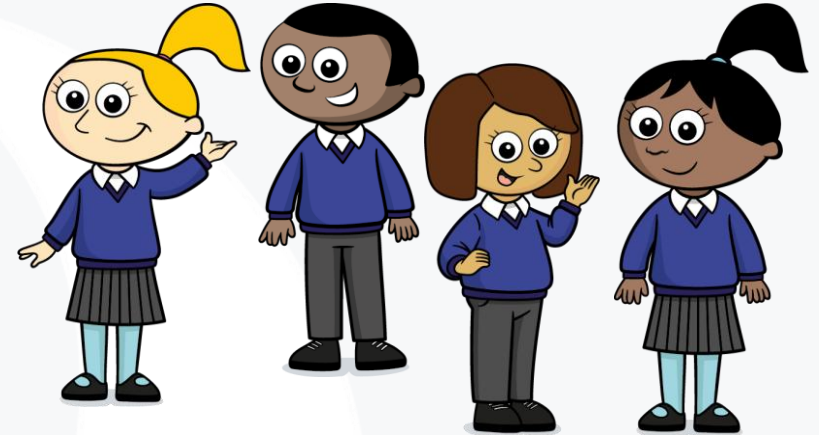
c) 1 group of 50 stickers
2 groups of 25 stickers
5 groups of 10 stickers
10 groups of 5 stickers
25 groups of 2 stickers
50 groups of 1 sticker

STRETCH AND CHALLENGE

MULTIPLICATION AND DIVISION | QUESTION 3

Class 2 are raising money for charity.

- Eva raises £2
- Mo raises twice as much as Eva
- Kim raises twice as much as Mo
- Sam raises half as much as Kim



a) Which two children raise the same amount of money?

b) How much money do they raise in total?

c) The class want to raise £24 in total.

Mrs Smith donates the remaining amount in £2 coins.

How many coins does Mrs Smith donate?

STRETCH AND CHALLENGE

MULTIPLICATION AND DIVISION | QUESTION 3

ANSWERS

a) Mo and Kim

b) $£2 + £4 + £8 + £4 = £18$

c) Three £2 coins

STRETCH AND CHALLENGE

MULTIPLICATION AND DIVISION | QUESTION 4

Complete the tables.

2	8	16
7	5	
14		

10		50
	9	
20		

Explain your thinking.

Create your own table for a partner to complete using the 5 and 2 times-tables.

STRETCH AND CHALLENGE

MULTIPLICATION AND DIVISION | QUESTION 4

ANSWERS

2	8	16
7	5	35
14	40	

10	5	50
2	9	18
20	45	

STRETCH AND CHALLENGE

MULTIPLICATION AND DIVISION | QUESTION 5

a) How many ways can you complete the calculation.

$$\square \times 5 = 10 \times \square$$

What pattern do you notice?

b) Max completes the calculation.

$$7 \times 5 = 10 \times 14$$

Can you explain Max's mistake?

c) Use the 10 times-table to help you work out 16×5



STRETCH AND CHALLENGE

MULTIPLICATION AND DIVISION | QUESTION 5

ANSWERS

a) Multiple possible answers e.g.

$$2 \times 5 = 10 \times 1$$

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

$$6 \times 5 = 10 \times 3$$

There are twice as many 5s as 10s.

b) Max has put his numbers in the wrong boxes. It should be $14 \times 5 = 10 \times 7$

c) $8 \times 10 = 80$ so 16×5 must also be 80