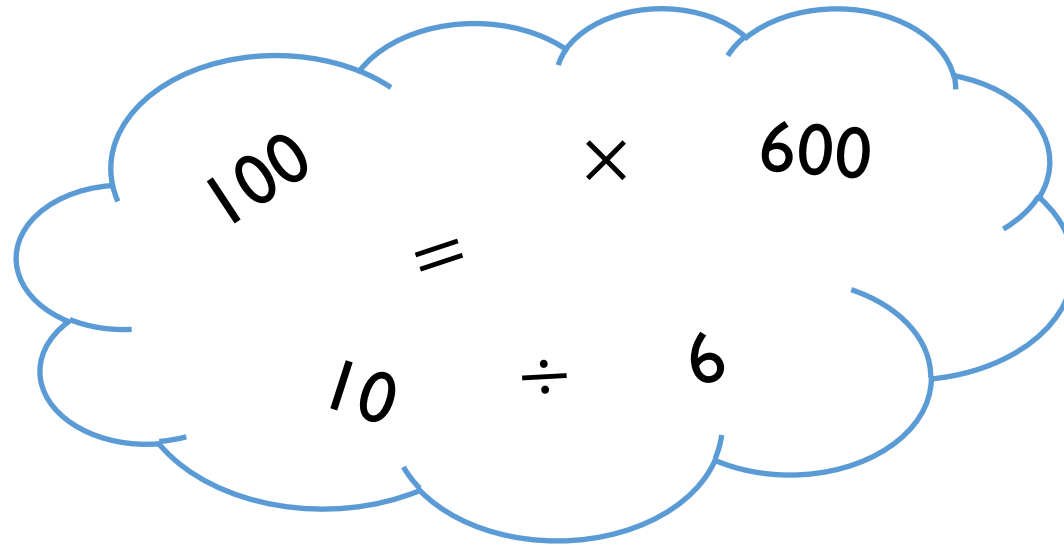**White Rose Maths**

Year 4 - Autumn - Block 4

Multiplication & Division

Always, Sometimes, Never

If a number is a multiple of 3 it is also a multiple of 6

Explain why you think this.

Choose the correct number or symbol from the cloud to fill in the boxes.

100   ×   600

=

10   ÷   6

____ ÷ ____ = 6

$60 = 600$ ____ 10

True or False?

$$6 \times 9 = 9 \times 3 \times 2$$
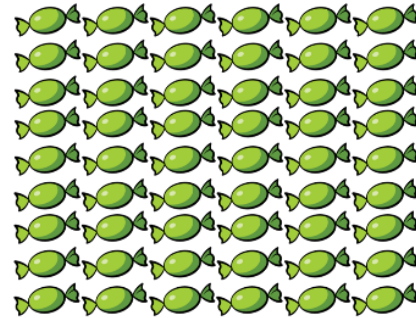
$$9 \times 6 = 3 \times 9 + 9$$

Explain your answer.

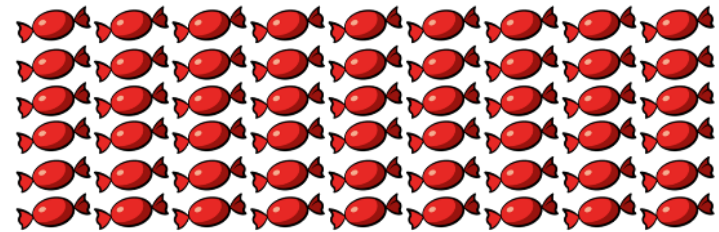Amir and Whitney both receive some sweets.

Amir

I have more sweets because I have more rows.

Whitney

I have more sweets because I have more in each row.

Who has more sweets? Explain your reasoning.

Can you complete the calculations using some of the symbols or numbers in the box?

$\div$ 9   100

10   900 $=$

_____ $\div$ _____ $= 9$

$90 = 900$ _____ 10

Mrs White's class are selling tickets at £2 each for the school play.

The class can sell one ticket for each chair in the hall.

There are 7 rows of chairs in the hall. Each row contains 9 chairs.

How much money will they make?

What do you notice about the pattern when counting in 7s from 0?

Does this continue beyond 7 times 12?

Can you explain why?

In which other times tables will you see the same pattern?

True or False?

$$7 \times 6 = 7 \times 3 \times 2$$

$$7 \times 6 = 7 \times 7 + 8$$

Explain your answer to a friend. Prove using a drawing.

Children were arranged into rows of seven.
There were 5 girls and 2 boys in each row.

Use your times table knowledge to show how many girls would be in 10 rows and in 100 rows.

Show as many number sentences using multiplication and division as you can which are linked to this picture.

How many children in total are there in 200 rows?
How many girls? How many boys?