I can find factor pairs of a number

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **instantly.**

Children should now know all multiplication and division facts up to 12 x 12. When given a number in one of those times tables, they should be able to state a factor pair which multiply to make this number (product).

Below are some examples:

$24 = 4 \times 6$ $42 = 6 \times 7$

$24 = 8 \times 3$ $25 = 5 \times 5$

$56 = 7 \times 8$ $84 = 7 \times 12$
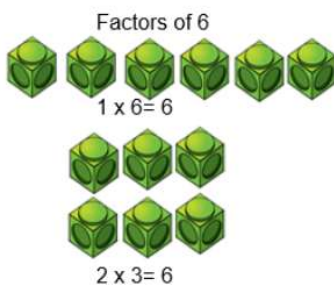
$54 = 9 \times 6$ $15 = 5 \times 3$

Key Vocabulary

Can you find a **factor** of 28?

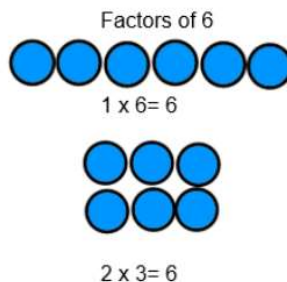Find 2 numbers whose **product** is 20.

I know that 6 is a **factor** of 72 because 6 multiplied by 12 is 72.
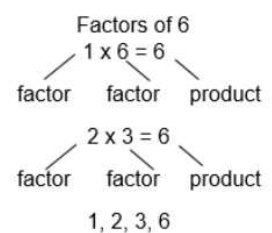
What can this look like?

Concrete:
Factors of 6
1 x 6= 6
2 x 3= 6

Pictorial:
Factors of 6
1 x 6= 6
2 x 3= 6

Abstract:
Factors of 6
$1 \times 6 = 6$
factor   factor   product
$2 \times 3 = 6$
factor   factor   product
1, 2, 3, 6
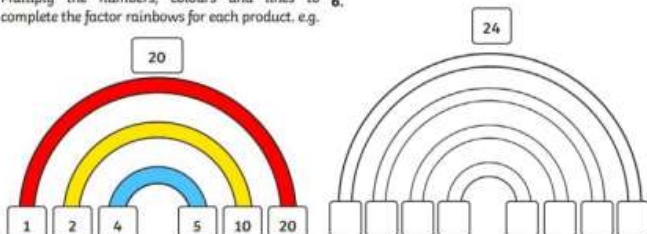
Things to Try

Factor Rainbows- children can draw, paint or chalk factor rainbows.

Multiply the numbers, colours and lines to complete the factor rainbows for each product. e.g. 6.

20   24
1 2 4   5 10 20

Useful Websites:

https://www.topmarks.co.uk/maths-games/multiples-and-factors

https://www.mathnook.com/math/math-speed-racing-factors.html

https://www.math-play.com/Factors-Millionaire/factors-millionaire-game_html5.html