Arithmetic LO: To find factors and multiples of numbers.

I know what a factor and multiple is.

I can find factors and multiples of numbers.

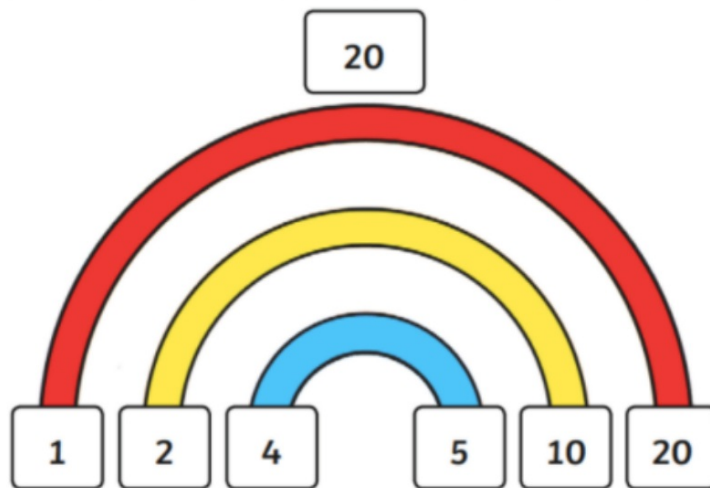I understand how my times tables knowledge helps me to find factors and multiples.

Factors and multiples are the inverse of each other.

What does this diagram tell us?

On whiteboards:

List the factor pairs of:

12

18

24

On whiteboards:

List the first 7 multiples of:

5

4

3

What are the common factors of 21 and 18?

What are the common factors of 24 and 30?

What is the lowest common multiple of 4 and 6?

What is the lowest common multiple of 2 and 5?

Your turn:

List the factor pairs of:

1) 18
2) 32
3) 44

List the first 6 multiples of:

4) 3
5) 4
6) 6

Find the common factors of:

7) 18 and 21
8) 64 and 48

Find the lowest common multiple of:

9) 7 and 9
10) 8 and 6

Extension

Crack the Code with Factors, Multiples, Square Numbers and Cube Numbers

Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes.

Each answer to the questions below will be a number. Match the number to a letter in the grid below. If your answers are correct, your letters will spell out a phrase.

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
14	15	16	17	18	19	20	21	22	23	24	25	26

List the factor pairs of:

1) 10
2) 12
3) 16

List the first 6 multiples of:

4) 10
5) 5
6) 3

Find the common factors of:

7) 16 and 20
8) 22 and 18

Find the lowest common multiple of:

9) 5 and 10