

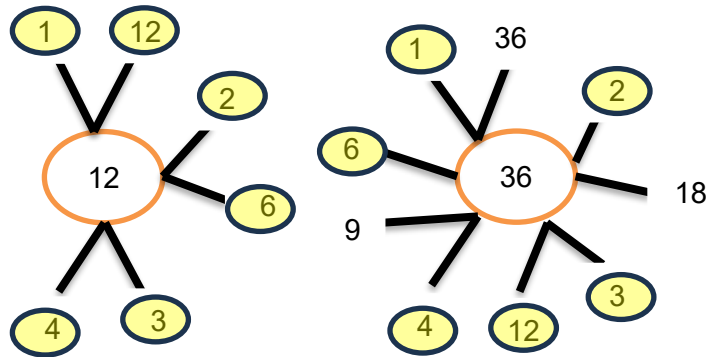
KIRF: Find common factors and the lowest common multiple of pairs of numbers



Pupils should be able to use their knowledge of factors to find common factors between two numbers. Pupils should be able to use their knowledge of multiples to find the lowest common multiple of a pair of numbers.

Common Factors

Common factors of 12 and 36.



Lowest Common Multiple

Lowest common multiple of 4 and 8

Multiples of 4: 4, 8, 12, 16, 20

Multiples of 8: 8, 16, 24, 32

Lowest common multiple of 3 and 5

Multiples of 3: 3, 6, 9, 12, 15

Multiples of 5: 5, 10, 15, 20

Questions to ask at home

What are the common factors of 18 and 21?

What is the highest common factor of 12 and 24?

What is the lowest common multiple of 5 and 8?

Key vocabulary

Common factor – a number that can be a factors of two given numbers.

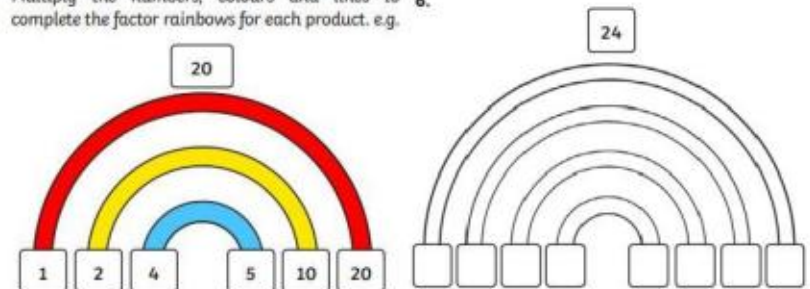
Lowest Common multiple – the lowest multiple that is the same for two given numbers.

Factor – a number which multiplies with another number to make a product.

Things to try

Factor Rainbows: children draw, paint or chalk factor rainbows.

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



Websites:

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

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