Kirk Fenton
CE PRIMARY SCHOOL

Identify common factors of a pair of numbers

Children should be able to explain how they know that a number is a common factor. E.g. 8 is a common factor of 24 and 56 because 24 = 8 × 3 and 56 = 8 × 7.

The factors of a number are all numbers which divide it with no remainder.

E.g. the factors of 24 are 1, 2, 3, 4, 6, 8, 12, and 24.
The factors of 56 are 1, 2, 4, 7, 8, 14, 28 and 56.

The common factors of two numbers are the factors they share.

E.g. the common factors of 24 and 56 are 1, 2, 4 and 8.
The greatest common factor of 24 and 56 is 8.

Key Vocabulary
- factor
- common factor
- multiple
- greatest common factor

Things to try

- First ensure that all multiplication facts up to 12 x 12 are learnt securely. Use TT Rockstars to practise any that cannot be recalled in under 5 seconds.
- Play - There are many fun online games to practise finding the greatest common factor, for example:
  https://www.sheppardsoftware.com/math/fractions/greatestcommon-factor-game/
- Watch – 'Maths Antics' have created some brilliant explanation videos about all things maths. Watch this one all about factors: https://www.youtube.com/watch?v=0NvLtTwnUHs
- Choose two numbers. Take it in turns to name factors. Who can find the most?

Top tips
The secret to success is practising little and often .
Use your time wisely.
Can you practise these KIRFs while walking to school or during a car journey?