



Key Instant Recall Facts Year 6 – Autumn 1

Key Vocabulary
factor
common factor
multiple
greatest common factor
remainder

I aspire to identify common factors of a pair of numbers.

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

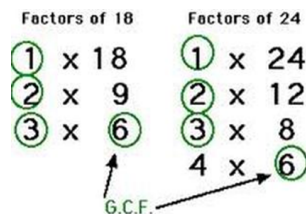
The factors of a number are all numbers which divide it with no remainder.

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 Questions

How many factor pairs can you find for the number...?

Can you find the greatest common factor of...?

What numbers have two factors?

What number has the most factors?

Top Tips

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

If you are not yet confident with identifying factor pairs of a number, you might want to practise the times table facts up to 12 × 12 first to reinforce your knowledge

If you are finding these skills tricky to practise please see your teacher.

Your Home learning this half term...

Challenge 1: Making number facts 	Practise your times tables up to 12x12 Play Hit the button https://www.topmarks.co.uk/maths-games/hit-the-button
Challenge 2: Finding all the facts 	Watch the videos on the BBC Bitesize page Then try some of the activities Common factors - Maths - Learning with BBC Bitesize
Challenge 3: Develop your fluency	Make a poster to explain the greatest common factor - remember to include some examples and diagrams.
Challenge 4: Increase your fluency 	Practise your skills by playing this game - identify the greatest common factor. Fun4theBrain Sketchs World - GCF BeyondFacts Game
Challenge 5: Embed your knowledge 	Complete this online quiz https://mathkite.com/greatest-common-factor-gcf/
Challenge 6: Apply your number facts knowledge	Play GCF War (card game) What You Need: A deck of cards (remove face cards or treat as 10). <u>How to Play:</u> Each player draws two cards and multiplies them (e.g., 6 × 4 = 24, 9 × 5 = 45). Players then find the GCF of their two numbers. The player with the higher GCF wins the round.