



Key Instant Recall Facts

Year 5 – Spring 1

Key Vocabulary

Factor
Factor pairs
Multiply
product

I aspire to find factor pairs of a number.

By the end of this half term, you should now know the multiplication and division facts for all times tables. When given a number in one of these times tables, they should be able to state a factor pair which multiplies to make this number.

$$24 = 4 \times 6$$

$$24 = 8 \times 3$$

$$56 = 7 \times 8$$

$$54 = 9 \times 6$$

$$42 = 6 \times 7$$

$$25 = 5 \times 5$$

$$84 = 7 \times 12$$

$$15 = 5 \times 3$$

Factors of 24

$$1 \times 24$$

$$4 \times 6$$

24

$$3 \times 8$$

$$2 \times 12$$

so there are 8
factors of 24....
1,2,3,4,6,8,12,24

Key Questions

Can you find a factor of 28?

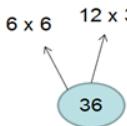
Can you find two numbers whose product is 20?

Can you explain why 6 is a factor of 36?

Top Tips

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

Your Home Learning this half term...

<p>Challenge 1: Investigating factor pairs</p> 	<p>Spider diagrams</p> <p>Create spider diagrams for different numbers. Choose a number to investigate. Find all the factor pairs that are made with this number.</p>
<p>Challenge 2: Increasing fluency</p>	<p>Speed challenge</p> <p>Choose a number to work with. Time yourself for 1 minute. Can you find all the factor pairs for that number?</p>
<p>Challenge 3: Developing fluency</p> 	<p>Who wants to be a Factors Millionaire</p> <p>Answer the factor questions and become a millionaire.</p> <p>http://www.math-play.com/Factors-Millionaire/factors-millionaire-game.html5.html</p>
<p>Challenge 4: Challenge an adult!</p> 	<p>Play whack-a-mole factor pairs</p> <p>Whack the factors of each number</p> <p>https://wordwall.net/resource/101345893/mathsfactor-pairs</p>
<p>Challenge 5: Investigating factor pairs</p>	<p>Find numbers that meet each rule.</p> <ul style="list-style-type: none">• Numbers that have 2 factor pairs• Numbers that have more than 4 factor pairs• Numbers that have only odd numbers as factor pairs <p>Can you make up your own rules for a friend?</p>
<p>Challenge 6: Apply Your Knowledge</p> 	<p>Factor track</p> <p>Get around the Factor track in as few turns as possible.</p> <p>https://nrich.maths.org/problems/factor-track</p>