



Key Instant Recall Facts

Year 5 - Autumn 2

Find factor pairs of a number

Children should now know all multiplication and division facts up to 12×12 . When given a number in one of these times tables, they should be able to state a factor pair which multiply to make this number. Below are some examples:

Factor pairs of 24 are:

1×24

2×12

3×8

4×6

Factor pairs of 23 are:

1×23 (It is a prime number)

Factor Pairs of 35 are:

1×35 5×7

Factor pairs of 84 are:

1×84

2×42

3×28

4×21

6×14

7×12

Factor pairs of 25 are:

1×25

5×5

Key Vocabulary

- Can you find a factor of 28?
- Find two numbers whose product is 20.
- I know that 6 is a factor of 72 because 6 multiplied by 12 equals 72.
- factor
- product (the number you get to when you multiply two or more numbers together)

Things to try

- Play games - play this interesting and fun online factor game: <https://www.nctm.org/ClassroomResources/Illuminations/Interactives/Factor-Game/>
- Think of the question - One player thinks of a times table question (e.g. 4×12) and states the answer. The other player has to guess the original question.
- Use secure knowledge of multiplication facts - children who have securely learnt their multiplication and division facts can generally find factors easily. If it is proving tricky, ensure that multiplication and division facts are learnt securely and can be recalled within 5 seconds. Use the Times Table Rock Stars App or 'hit the button'. To help speed up recall of those facts. <https://www.topmarks.co.uk/maths-games/hit-the-button>

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?