



# Key Instant Recall Facts

## Year 5 – Autumn 2

### 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.

### I aspire to find factor pairs of a number.

Children should now know all multiplication and division facts up to  $12 \times 12$ . 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:

$$24 = 4 \times 6$$

$$24 = 8 \times 3$$

$$56 = 7 \times 8$$

$$54 = 9 \times 6$$

$$42 = 6 \times 7$$

$$25 = 5 \times 5$$

$$84 = 7 \times 12$$

$$15 = 5 \times 3$$

Factors of 24

$$1 \times 24$$

$$4 \times 6 \quad \boxed{24} \quad 3 \times 8$$

$$2 \times 12$$

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

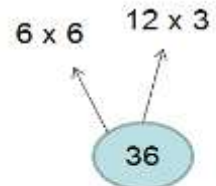
Play games to make this fun...

#### 'Find The Factors!'

"You have 1 minute to find as many pairs of factors of 60 as possible!"

#### 'Missing Factors'

"Can you spot the missing factors for 48 in this list?"



Spider diagrams are a great way to set out your investigations...

### 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? You don't need to practise them all at once; perhaps you could have a fact family of the day.

### You could try some of these ideas...

#### Play games

There is an activity at [www.conkermaths.org](http://www.conkermaths.org) to practise finding factor pairs.

#### Think of a question

One player thinks of a times table question (e.g.  $4 \times 12$ ) and states the answer. The other player has to guess the original question.

#### Use memory tricks

For those hard to remember facts. [www.multiplication.com](http://www.multiplication.com) has some strange picture stories to help children to remember.