



Key Instant Recall Facts

Year 6 – Autumn Term 1

Derive multiplication and division facts using decimal numbers

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

Children should be able to use their knowledge of times table facts up to 12×12 (and linked division facts) to derive related decimal facts.

See examples below:

$$8 \times 0.7 = 5.6 \quad 7 \times 0.8 = 5.6$$

$$5.6 \div 0.7 = 8 \quad 5.6 \div 0.8 = 7$$

$$0.8 \times 0.7 = 0.56$$

$$0.56 \div 0.7 = 0.8$$

$$8 \times 0.07 = 0.56 \quad 7 \times 0.08 = 0.56$$

Key vocabulary

What do I multiply by 0.6 to give a product of 3.6?

The product of 0.9 and 9 is...?

What is 4.9 divided by 7?

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 do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

Practical resources

Buy one get three free – If your child knows one fact (e.g. $3 \times 6 = 18$), can they tell you the other three facts in the same fact family?