



Key Instant Recall Facts

Year 4 – Autumn 2

I can multiply and divide single-digit numbers by 10 and 100.

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

$7 \times 10 = 70$

$30 \times 10 = 300$

$0.8 \times 10 = 8$

$10 \times 7 = 70$

$10 \times 30 = 300$

$10 \times 0.8 = 8$

$70 \div 7 = 10$

$300 \div 30 = 10$

$8 \div 0.8 = 10$

$70 \div 10 = 7$

$300 \div 10 = 30$

$8 \div 10 = 0.8$

$6 \times 100 = 600$

$40 \times 100 = 4000$

$0.2 \times 10 = 2$

$100 \times 6 = 600$

$100 \times 40 = 4000$

$10 \times 0.2 = 2$

$600 \div 6 = 100$

$4000 \div 40 = 100$

$2 \div 0.2 = 10$

$600 \div 100 = 6$

$4000 \div 100 = 40$

$2 \div 10 = 0.2$

Key Vocabulary

What is 5 **multiplied by** 10?

What is 10 **times** 0.9?

What is 700 **divided by** 70?

What is the **product of** 3 and 100?

What is the **quotient of** 600 and 100?

hundreds, tens, ones, tenths, hundredths

These are just examples of the facts for this term. Children should be able to answer these questions in any order, including missing number questions e.g. $10 \times \bigcirc = 5$ or $\bigcirc \div 10 = 60$.

Top Tips

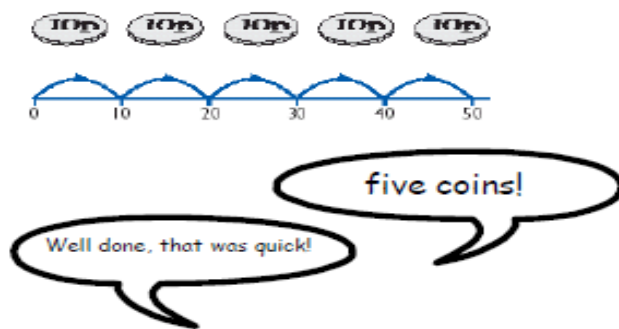
The secret to success is practising little and often. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You do not need to practise them all at once: perhaps you could have a fact family of the day.

Buy one get three free - If your child knows one fact (e.g. $10 \times 5 = 50$) can they tell you the other three facts in the same fact family?

Warning! When creating fact families, children sometimes get confused by the order of the numbers in the division number sentence. It is tempting to say that the biggest number goes first, but it is more helpful to say that the answer to the multiplication goes first, as this will help your child in later years when they study fractions, decimals and algebra.

Make it Real!

How many 10 pence pieces make 50 pence?



How many pennies are worth the same as 8 pound coins?

800 pennies!

How do you know?



Because there are 100 pennies in £1 and 100 multiplied by 8 is 800.

An ant walked 400 centimetres back to its nest. How many metres did it walk?

4 metres! How do you know? Because there are 100 cm in a metre so 400 divided by 100 is 4.



Make it fun!

Dominoes

Pick a domino and add together the spots on the face. Multiply the number by 10 then by 100 – what do you notice? Can you divide the number of spots by 10 and 100?

Playing Cards

Remove the face cards from the pack. Choose a card and multiply/ divide the number by 10 and 100. Are there any connections?

Shout out!

Choose random single digit numbers to multiply or divide by 10 or 100. Who can shout out the answer first?