

Key Instant Recall Facts

Year 6 – Autumn 1

I can derive the multiplication and division facts using decimal numbers.

(e.g. $8 \times 0.7 = 5.6$)

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

9 x 4

$36 \div 4 = 9$
 $360 \div 4 = 90$
 $360 \div 40 = 9$
 $360 \div 9 = 40$
 $90 \div 40 = 360$

8 x 12

$960 \div 12 = 80$
 $96 \div 8 = 12$
 $960 \div 80 = 120$
 $960 \div 80 = 12$
 $96 \div 12 = 8$

Key Vocabulary

What is 12 **multiplied by** 6?

What is 7 **times** 0.8?

What is 8.4 **divided by** 7?

They should be able to answer these questions in any order, including missing number questions e.g. $7 \times \bigcirc = 28$ or $\bigcirc \div 6 = 7$.

Children who have already mastered their times tables should apply this knowledge to answer questions including decimals e.g. $0.7 \times \bigcirc = 4.2$ or $\bigcirc \div 60 = 0.7$

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

Speed Challenge – Take two packs of playing cards and remove the kings. Turn over two cards and ask your child to multiply the numbers together (Ace = 1, Jack = 11, Queen = 12). How many questions can they answer correctly in 2 minutes? Practise regularly and see if they can beat their high score.

Online games – There are many games online which can help children practise their multiplication and division facts. www.conkermaths.org is a good place to start.

Use memory tricks – For those hard-to-remember facts, www.multiplication.com has some strange picture stories to help children remember.