Key Instant Recall Facts

YEAR 5 KIRF CARD

This half term your children are working towards achieving their individual KIRF targets, indicated below. The ultimate aim is for your child to be able to recall these facts instantly!

To multiply whole numbers and tenths using times tables knowledge.

By the end of this half term, children should be able to use their times tables knowledge to multiply whole numbers and decimals. The aim is for them to recall these facts **instantly**.

$8 \times 7 = 56$; $8 \times 0.7 = 5.6$; $0.8 \times 7 = 5.6$;
$80 \times 7 = 560$; $8 \times 70 = 560$; $80 \times 70 = 5600$

$56 \div 8 = 7$; $56 \div 7 = 8$; $5.6 \div 8 = 0.7$; $5.6 \div 7 = 0.8$
$560 \div 8 = 70$; $560 \div 80 = 7$; $5600 \div 70 = 80$

Children should apply their times tables knowledge to answer questions including decimals.

For example:

$0.7 \times \boxed{} = 4.2$

$\boxed{} \div 60 = 0.7$

KEY VOCABULARY and QUESTIONS

Multiply/ product/ times by /lots of/ share/ group /divide double/ near double/ twice /2 lots of 2/ times/ half halved /divided by 2/ shared between 2 group/ in pairs

What is 6 x 0.7 ? Explain how you know
How do you calculate 0.8 x 2? Show me
6.4 ÷ 8 = 0.8 Prove it!

HELPFUL HINTS:

- Create regular opportunities for rapid-fire questions where an instant correct answer is required.
- Encourage children to use what they already know, for example the 6x 3 = 18, so 0.6 x 3 = 1.8.
- Chanting tables really does help. Make it fun by adding actions too or singing!
- Don't forget to chant those division facts too; they are often much harder to recall.

Play number Fizz Buzz!

Play Fizz Buzz. To practice the 0.5 and 0.8 times tables together take it in turns to count in steps of 0.1. If a number is in the 0.5 x table say 'Fizz' instead of the number. Say 'Buzz' if it's in the 0.8's and 'Fizz Buzz' if it's in both

Timed Challenges

How well are you doing? How many questions can you answer in 2 minutes? Can you beat your own record?

Dominoes

Pick a domino, add the number of dots together then multiply by a decimal number to 0.9. To extend, pick two dominoes: if each spot represents 0.1, what is the answer when I multiply them together?

Playing Cards

Remove picture cards from a pack of cards. Pick a card and treat the number as tenths. State the multiplication and division fact that the child is working on. e.g. Pick the '8' card so 7 x 0.8 = 5.6 and 5.6 divided by 7 is 0.8

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 of the day. Building confidence in mathematics is crucial so be pleased with their efforts and always encourage with praise. Make sure these practice sessions are enjoyable - if your child is really not in the mood it is the wrong time to be practising! If you would like more ideas, please speak to your child's teacher.