

Key Instant Recall Facts

Year 3, 4, 5 and 6:
Spring Term 1

This half term your child is working towards achieving knowledge of KIRFs, indicated below.
The ultimate aim is for your child to be able to recall these facts **instantly!**

Know multiplication and division facts for 2x and 4x table	Know all 2-digit pairs that total 100	Know the doubles and halves of all two-digit numbers	Know doubles and halves of 2-digit decimals	Know the prime numbers within 50
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If there are 4 wheels on a skateboard, how many wheels will there be on 4 skateboards?



Sixteen wheels!

Well done, that was quick!

Double

$$34 \rightarrow 68$$

$$35 \rightarrow 70$$

$$36 \rightarrow 72$$

Halves

$$84 \rightarrow 42$$

$$85 \rightarrow 42 \frac{1}{2} \text{ or } 42.5$$

$$86 \rightarrow 43$$

What is $\frac{1}{2}$ of 0.38?



$$\frac{1}{2} \text{ of } 0.3 = 0.15$$



$$\frac{1}{2} \text{ of } 0.08 = 0.04$$

So $\frac{1}{2}$ of 0.38 must be 0.19!

Helpful hints for parents

Year 3, 4, 5 and 6:

Spring Term 1

- 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 table is double the 3x table!
- When children are confident with doubles ask them to find the corresponding halves
- Practise halving at least as often as doubling. This will help children with subtraction at a later date

Key vocabulary

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	

Make it real!

A piece of ribbon measuring 63 cm is cut from a piece which is a metre long. How much ribbon is left?



37cm!

Can you tell me why?

I know 63 and 37 make 100 - there are 100cm in a metre

Two tickets cost £67, how much would one ticket cost?



£33.50

How do you know?

I know because half of 60 is 30 and half of 7 is 3.5

The swimming pool is 3.7km away. How far will we travel there and back?



7.4km

Can you explain?

Well, double 3 is 6 and double 0.7 is 1.4 which makes 7.4 altogether

If children are finding decimals tricky relating questions to money makes it much easier to understand.

Make it fun!

Call out!

Play number ping pong!

Start of saying 'ping', child replies with 'pong'.

Repeat and then convert to numbers i.e. say '3.9' and they reply '7.8' (double 2 digit decimal) Or say, '7.8' and they say '3.9'

Money:

Show children a set of coins, children work out the value of the coins and say how much more is needed to make a pound.

Playing cards:

Remove picture cards from the pack. Pick a card, state the multiplication and division fact that the child is working on.

e.g. Pick the '8' card

so $4 \times 8 = 32$ and 32 divided by 4 is 8



Dominoes:

Pick a domino



This domino could represent 0.52 or 5.2 or 52. Use any of these numbers to double or halve

Songs and rhymes

As well as commercial CDs children enjoy inventing their own clapping games and chants linked to the times tables

Timed Games:

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