



Key Instant Recall Facts

YEAR 6 – Spring 2

I know the doubles and halves of 2 digit decimal numbers.

By the end of this half term, children should be able to double and halve any 2 digit decimal numbers. The aim is for them to recall these facts instantly.

Double

$3.4 \rightarrow 6.8$

$3.5 \rightarrow 7.0$

$3.6 \rightarrow 7.2$

Halves

$8.4 \rightarrow 4.2$

$8.5 \rightarrow 4.25$

$8.6 \rightarrow 4.3$

$8.7 \rightarrow 4.35$

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!

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 double 3.7? Explain how you know

How do you double/halve a number?

Show me 1s double 6.2, 12.4?
Prove it!

Things to Try

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.

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'. Or say, '7.8' and they say '3.9

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

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 table is double the 3x table!

- Practise halving at least as often as doubling

Useful Websites:

<https://www.topmarks.co.uk/maths-games/hit-the-button>

<https://www.topmarks.co.uk/maths-games/daily10> Choose level 6 and double/halves

<https://mathsticks.com/my/wp-content/uploads/2015/02/lb-doubles-halves-prime.pdf>