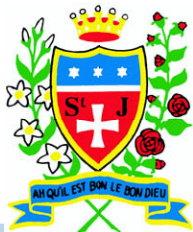


# KIRF- I can recall my multiplication and division facts up to 12 x 12

Year 5 - Autumn 1



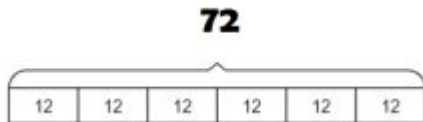
## What can this look like?

Concrete:



$$12 \times 2 = 24$$

Pictorial:



Abstract:

$$12 \times \bigcirc = 72$$

$$\bigcirc \div 12 = 5$$

Twelve multiplied by \_\_\_\_ is equal to sixty

\_\_\_\_ divided by eight is equal to twelve

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?

## Questions to ask at home

- What is 12 **multiplied** by 6?
- What is 12 **times** 8?
- What is 84 **divided** by 12?
- If I know 4 x 8 is 32 what is 8 x 8? (related facts)

## Key vocabulary

What is 12 **multiplied** by 6?

What is 7 **times** 8?

What is 84 **divided** by 7?

What is 64 **shared** between 8?

What is the **product** of 8 and 9?

## Things to try

- **Chants and songs**- Practice chanting the times tables. BBC supermovers songs  
<https://www.bbc.co.uk/teach/supermovers/times-table-coll>
- **Speed Challenge - speed grid recall.**

+	3	4	8
4			
2			
6			
12			

- **Speed card game** – 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.

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

White Rose 1 minute maths App- any multiplication and division game

(magic mix)

TTRS games



Mathigon

<https://mathigon.org/multiply/shuffle>