



St Bernadette's Catholic Primary School

Key Instant Recall Facts

Year 4 – Spring 1

I know the multiplication and division facts for the 7 times table.

By the end of this half term, children should know all of the multiplication **and** division facts relating to the **seven times table**. They should be able to answer these questions in any order, including missing number questions such as $4 \times ? = 28$ or $? \div 5 = 7$. The aim is for them to recall the below facts **instantly**.

$7 \times 0 = 0$	$0 \times 7 = 0$	$0 \div 7 = 0$	
$7 \times 1 = 7$	$1 \times 7 = 7$	$7 \div 7 = 1$	$7 \div 1 = 7$
$7 \times 2 = 14$	$2 \times 7 = 14$	$14 \div 7 = 2$	$14 \div 2 = 7$
$7 \times 3 = 21$	$3 \times 7 = 21$	$21 \div 7 = 3$	$21 \div 3 = 7$
$7 \times 4 = 28$	$4 \times 7 = 28$	$28 \div 7 = 4$	$28 \div 4 = 7$
$7 \times 5 = 35$	$5 \times 7 = 35$	$35 \div 7 = 5$	$35 \div 5 = 7$
$7 \times 6 = 42$	$6 \times 7 = 42$	$42 \div 7 = 6$	$42 \div 6 = 7$
$7 \times 7 = 49$	$7 \times 7 = 49$	$49 \div 7 = 7$	$49 \div 7 = 7$
$7 \times 8 = 56$	$8 \times 7 = 56$	$56 \div 7 = 8$	$56 \div 8 = 7$
$7 \times 9 = 63$	$9 \times 7 = 63$	$63 \div 7 = 9$	$63 \div 9 = 7$
$7 \times 10 = 70$	$10 \times 7 = 70$	$70 \div 7 = 10$	$70 \div 10 = 7$
$7 \times 11 = 77$	$11 \times 7 = 77$	$77 \div 7 = 11$	$77 \div 11 = 7$
$7 \times 12 = 84$	$12 \times 7 = 84$	$84 \div 7 = 12$	$84 \div 12 = 7$

Key Vocabulary:

- What is 7 multiplied by 9?
- What is 6 times 7?
- What is 77 divided by 11?
- What is 7 squared? ($7 \times 7 = 49$)
- What is the square root of 49? (7)
- What is the product of 5 and 7? (35)
- What are the factors of 70?
- How many groups of 7 are there in 21?
- What is the inverse?
- What is the commutative?

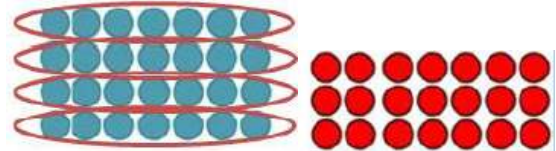
Helpful Hint!

The secret to success is little and often. Make sure that you use your time wisely! Can you practise your KIRFs whilst travelling to school? It might help to have a fact a day. Remember, you don't need to practise them all at once.

Fact families: When creating fact families, some children can get confused with which number should be first in the division sentence. Try to remind them that it should be the product that is first eg $4 \times 7 = 28$ (28 is the product) so when creating the inverse sentence, the product should be first eg $28 \div 4 = 7$ or $28 \div 7 = 4$.

Key Imagery:

Arrays:



$$7 \times 4 = 28$$

$$7 \times 3 = 21$$



$$7 \times 2 = 14$$

$$14 = 7 \times 2$$

$$2 \times 7 = 14$$

$$14 = 2 \times 7$$

$$14 \div 7 = 2$$

$$2 = 14 \div 7$$

$$14 \div 2 = 7$$

$$7 = 14 \div 2$$

Activity Ideas:

Play games: roll two dice – multiply the number that you roll by 7.

Play TTRS!!

Visit <http://www.conkermaths.org/> and play Conker KIRFS balloons. You will need Adobe Flash Player!

Hit the Button - Quick fire maths practise for 6-11 year olds (topmarks.co.uk) (You don't have to purchase it, just press play game and select times tables)

Songs, raps and chants: There are many songs, raps and chants available online (try Youtube) alternatively you could encourage your child to make up their own as this might be more memorable for them.

What do you already know? You already know many of the facts in the 7 times table because you are already confident with the 2, 3, 4, 5, 6, 8, 9, 10 and 11 times tables, so you already know $2 \times 7 = 14$, $3 \times 7 = 21$, $4 \times 7 = 28$ etc. You do not need to learn many NEW facts.

Order of difficulty – ask the children to order the facts in the seven times table from the easiest to the most difficult. Can they explain why they have ordered them in the way that they have? Now focus on the most challenging! Remind them to use what they know!

Five six seven eight – Fifty-six is seven times eight ($56 = 7 \times 8$)



