



KIRF: I know the 6 & 9 times tables (x and ÷)

A times table is a list of multiples of the given number. They are very important for many calculations. This half term, the children will be learning their 6 and 9 times tables including the division facts.

Questions to ask at home

What is 6 multiplied by 7?

What is 9 times 8?

What is 54 divided by 9?

Key vocabulary

9 multiplied by 3 is equal to 27

2 times 6 and 6 times 2 are equivalent

54 shared by 6 is equal to 9

72 divided by 9 equals 8

What can this look like?

Concrete:

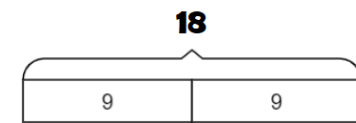
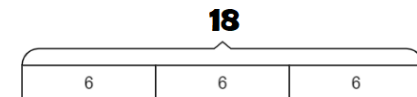


$$6 \times 2 = 12$$

$$6 \times \bigcirc = 24$$

$$\bigcirc \div 9 = 3$$

Pictorial:



Abstract:

Six multiplied by ____ is equal to thirty

Nine multiplied by ____ is equal to thirty six

Things to try

Double your 3's (for your 6's) – $3 \times 4 = 12$ double 12 equals 24. So $6 \times 4 = 24$

Use 10 times table (for your 9's) – Multiply a number by 10 then subtract off the original number. E.g. $7 \times 10 = 70$ subtract off the original number $70 - 7 = 63$ so $9 \times 7 = 63$

TT Rock Stars – try to log on as much as possible - just 5 minutes practice a day makes a big difference.

Active Learn

Scrapheap Scramble <https://www.activelearnprimary.co.uk/resource/1100227>

Balloon Pop <https://www.activelearnprimary.co.uk/resource/1100565>

Smack the Shack <https://www.activelearnprimary.co.uk/resource/1100607>

Websites

Youtube – Type into Youtube '9 times table finger trick' to see a clever way of learning.

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

<https://www.timestables.co.uk/>

If your child feels confident with their times tables then these resources from nrich will help challenge and develop their thinking. <https://nrich.maths.org/1134> <https://nrich.maths.org/10421>

<https://nrich.maths.org/2726>

$1 \times 6 = 6$	$6 \div 6 = 1$	$9 \times 1 = 9$	$9 \div 9 = 1$
$2 \times 6 = 12$	$12 \div 6 = 2$	$9 \times 2 = 18$	$18 \div 9 = 2$
$3 \times 6 = 18$	$18 \div 6 = 3$	$9 \times 3 = 27$	$27 \div 9 = 3$
$4 \times 6 = 24$	$24 \div 6 = 4$	$9 \times 4 = 36$	$36 \div 9 = 4$
$5 \times 6 = 30$	$30 \div 6 = 5$	$9 \times 5 = 45$	$45 \div 9 = 5$
$6 \times 6 = 36$	$36 \div 6 = 6$	$9 \times 6 = 54$	$54 \div 9 = 6$
$7 \times 6 = 42$	$42 \div 6 = 7$	$9 \times 7 = 63$	$63 \div 9 = 7$
$8 \times 6 = 48$	$48 \div 6 = 8$	$9 \times 8 = 72$	$72 \div 9 = 8$
$9 \times 6 = 54$	$54 \div 6 = 9$	$9 \times 9 = 81$	$81 \div 9 = 9$
$10 \times 6 = 60$	$60 \div 6 = 10$	$9 \times 10 = 90$	$90 \div 9 = 10$
$11 \times 6 = 66$	$66 \div 6 = 11$	$9 \times 11 = 99$	$99 \div 9 = 11$
$12 \times 6 = 72$	$72 \div 6 = 12$	$9 \times 12 = 108$	$108 \div 9 = 12$