

# Key Instant Recall facts

## Year 4 - Summer 2



**To multiply and divide 1 and 2 digit numbers by 10 and 100.**

By the end of this half term, children should know the following facts. The aim is for them to recall these facts instantly.

The diagram shows a grid of numbers from 3 to 1500. The top row contains numbers 3 through 15. The middle row contains numbers 30 through 150. The bottom row contains numbers 300 through 1500. Blue arrows on the left point from the top row to the middle row, labeled 'x 10'. Blue arrows on the right point from the middle row to the bottom row, labeled 'x 10'. Orange arrows on the right point from the middle row to the top row, labeled '÷ 10'. Orange arrows on the right point from the bottom row to the middle row, labeled '÷ 10'. A large orange arrow on the far right points from the top row to the bottom row, labeled 'x 100'. A large orange arrow on the far right points from the bottom row to the top row, labeled '÷ 100'.

3	4	5	6	7	8	9	10	11	12	13	14	15
30	40	50	60	70	80	90	100	110	120	130	140	150
300	400	500	600	700	800	900	1,000	1,100	1,200	1,300	1,400	1,500

Children need to be able to visualise and understand making a number ten times bigger and that 'ten times bigger' is the same as multiplying by 10. They will build on multiplying by 10 and see links between multiplying by 10 and multiplying by 100.

They should begin to understand the relationship between multiplying and dividing by 10 and 100 as the inverse of the other.

### 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 don't need to practise them all at once: perhaps you could have a fact of the day.

**Use memory tricks** - For those hard-to-remember facts, create picture stories to help children to remember.

**White Rose Maths** - watch the videos to help you understand:

<https://vimeo.com/474994166> Multiply by 10

<https://vimeo.com/475113712> Divide by 10

<https://vimeo.com/474994600> Multiply by 100

<https://vimeo.com/475385464> Divide by 100