Key Instant Recall Facts

Year 4 - Spring 1

Know the multiplication and division facts for the 9 and 11 times table

Multiply and divide 1 and 2 digit numbers by 10 and 100

By the end of this half term children need to be able to instantly recall the following facts

9 × 1 = 9	9 ÷ 9 = 1	11 × 1 = 11	11 ÷ 11 = 1
9 × 2 = 18	18 ÷ 9 = 2	11 × 2 = 22	22 ÷ 11 = 2
9 × 3 = 27	27 ÷ 9 = 3	11 × 3 = 33	33 ÷ 11 = 3
9 × 4 = 36	36 ÷ 9 = 4	11 × 4 = 44	44 ÷ 11 = 4
9 × 5 = 45	45 ÷ 9 = 5	11 × 5 = 55	55 ÷ 11 = 5
9 × 6 = 54	54 ÷ 9 = 6	11 × 6 = 66	66 ÷ 11 = 6
9 × 7 = 63	63 ÷ 9 = 7	11 × 7 = 77	77 ÷ 11 = 7
9 × 8 = 72	72 ÷ 9 = 8	11 × 8 = 88	88 ÷ 11 = 8
9 × 9 = 81	81 ÷ 9 = 9	11 × 9 = 99	99 ÷ 11 = 9
9 × 10 = 90	90 ÷ 9 = 10	11×10 = 110	110÷11 = 10
9 × 11 = 99	99 ÷ 9 = 11	11×11 = 121	121÷11 = 11
9 × 12 = 108	108 ÷ 9 = 12	11×12 = 132	132÷11 = 12

Key Vocabulary

- What is 6 multiplied by 9?
- What is 11 times 8?
- What is 72 divided by 9?
- What is eleven lots of 9?
- Eleven 6s are?
- What is nine squared?
- Eleven groups of 7 make?
- Share 108 into 9 groups.
- How many is in each group?

Things to try

- They should be able to answer these questions in any order, including missing number questions e.g. 9 × □= 54 or □÷ 9 = 11.
- Songs and Chants – Listen to fun multiplication songs and chants online such as: https://www.youtube.com/watch?v=e7rYbk9PNuM , https://www.youtube.com/watch?v=cGsrC6ZPVGM&t=210s or https://www.youtube.com/watch?v=iR5MTjuuziU
- Buy one get three free – If your child knows one fact (e.g. 3 × 11 = 33), can they tell you the other three facts in the same fact family? E.g.: 3 x 11 = 33, 11 x 3 = 33, 33 ÷ 11 = 3, 33 ÷ 11 = 3
- Use your ten times table and adapt – Multiply a number by 10 and subtract the original number (e.g. 7 × 10 – 7 = 70 – 7 = 63). What do you notice? What happens if you add your original number instead? (e.g. 7 × 10 + 7 = 70 + 7 = 77)
- Use the finger trick to check! – Children will be expected to learn the facts off by heart, but checking using a finger trick for the 9 times table can be a great way of building confidence. Watch this video to see how: https://www.youtube.com/watch?v=jEIeFV4oMp4
- Use TT Rockstars

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Year 4 - Spring 1

Know the multiplication and division facts for the 9 and 11 times table

Multiply and divide 1 and 2 digit numbers by 10 and 100

By the end of this half term children need to be able to instantly recall the following facts

7 × 10 = 70
10 × 7 = 70
70 ÷ 7 = 10
70 ÷ 10 = 7

30 × 10 = 300
10 × 30 = 300
300 ÷ 30 = 10
300 ÷ 10 = 30

0.8 × 10 = 8
10 × 0.8 = 8
8 ÷ 0.8 = 10
8 ÷ 10 = 0.8

6 × 100 = 600
100 × 6 = 600
600 ÷ 6 = 100
600 ÷ 100 = 6

40 × 100 = 4000
100 × 40 = 4000
4000 ÷ 40 = 100
4000 ÷ 100 = 40

0.2 × 10 = 2
10 × 0.2 = 2
2 ÷ 0.2 = 10
2 ÷ 10 = 0.2

Key Vocabulary

- What is 5 multiplied by 10?
- What is 10 times 0.9?
- What is 700 divided by 70?
- Hundreds
- Tens
- Tenths
- Hundredths

Things to try

- Spot patterns - Multiplying and dividing by 10 and 100 can become quite easy if the mathematical patterns can be spotted. Notice how the digits slide along. Try to link what is happening to place value. When multiplying by 10 The digits are 10 times bigger, so will be in the place value column to the left leaving a 0 as a place holder. This is explained in this video: https://www.youtube.com/watch?v=GXjoCCOv5LY
- Use what you know: If 7 x 10 = 70, 7 x 100 will be 700, what about 0.7x10?
- Discuss decimals – Discuss where we see decimals in everyday life, such as when using money eg: £2.56. This can help understanding when using decimals and multiplying them eg what if I am given £1.56 each week. How much will I have in 10 weeks? 10 x £1.56 = £15.60

Top tips

The secret to success is practising little and often .
Use your time wisely.
Can you practise these KIRFs while walking to school or during a car journey?