Thomas Buxton Primary School

Year 4 Maths Key Instant Recall Facts

On this sheet you will find the key instant recall facts for your child's year group. By the end of the year your child must be able to recall these facts instantly. We will work on this in school and would appreciate your support at home.

Know fraction and decimal equivalents

$\frac{1}{2} = 0.5$

$\frac{1}{4} = 0.25$

$\frac{3}{4} = 0.75$

$\frac{1}{10} = 0.1$

$\frac{2}{10} = 0.2$

$\frac{5}{10} = 0.5$

$\frac{6}{10} = 0.6$

$\frac{9}{10} = 0.9$

$\frac{1}{100} = 0.01$

$\frac{7}{100} = 0.07$

$\frac{21}{100} = 0.21$

$\frac{75}{100} = 0.75$

$\frac{99}{100} = 0.99$

These are just examples of the facts. Children should be able to answer these questions in any order, including missing number questions

e.g. $10 \times \bigcirc = 5$ or $\bigcirc \div 10 = 60$.

Play games - Make some cards with pairs of equivalent fractions and decimals. Use these to play the memory game or snap. Or make your own dominoes with fractions on one side and decimals on the other.

Multiply and divide numbers by 10 and 100

$7 \times 10 = 70$
$10 \times 7 = 70$
$70 \div 7 = 10$
$70 \div 10 = 7$

$30 \times 10 = 300$
$10 \times 30 = 300$
$300 \div 30 = 10$
$300 \div 10 = 30$

$6 \times 100 = 600$
$100 \times 6 = 600$
$600 \div 6 = 100$
$600 \div 100 = 6$

$40 \times 100 = 4000$
$100 \times 40 = 4000$
$4000 \div 40 = 100$
$4000 \div 100 = 40$

What is 5 multiplied by 10? What is 10 times 0.9? What is 700 divided by 70?

hundreds, tens, ones, tenths, hundredths

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: start with tenths before moving on to hundredths. If you would like more ideas, please speak to your child's teacher.

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Year 4 Maths Key Instant Recall Facts continued

Know the multiplication and division facts for the 6 times table

6 × 1 = 6	1 × 6 = 6	6 ÷ 6 = 1	6 ÷ 1 = 6
6 × 2 = 12	2 × 6 = 12	12 ÷ 6 = 2	12 ÷ 2 = 6
6 × 3 = 18	3 × 6 = 18	18 ÷ 6 = 3	18 ÷ 3 = 6
6 × 4 = 24	4 × 6 = 24	24 ÷ 6 = 4	24 ÷ 4 = 6
6 × 5 = 30	5 × 6 = 30	30 ÷ 6 = 5	30 ÷ 5 = 6
6 × 6 = 36	6 × 6 = 36	36 ÷ 6 = 6	36 ÷ 6 = 6
6 × 7 = 42	7 × 6 = 42	42 ÷ 6 = 7	42 ÷ 7 = 6
6 × 8 = 48	8 × 6 = 48	48 ÷ 6 = 8	48 ÷ 8 = 6
6 × 9 = 54	9 × 6 = 54	54 ÷ 6 = 9	54 ÷ 9 = 6
6 × 10 = 60	10 × 6 = 60	60 ÷ 6 = 10	60 ÷ 10 = 6
6 × 11 = 66	11 × 6 = 66	66 ÷ 6 = 11	66 ÷ 11 = 6
6 × 12 = 72	12 × 6 = 72	72 ÷ 6 = 12	72 ÷ 12 = 6

Know the multiplication and division facts for the 7 times table

7 × 1 = 7	1 × 7 = 7	7 ÷ 7 = 1	7 ÷ 1 = 7
7 × 2 = 14	2 × 7 = 14	14 ÷ 7 = 2	14 ÷ 2 = 7
7 × 3 = 21	3 × 7 = 21	21 ÷ 7 = 3	21 ÷ 3 = 7
7 × 4 = 28	4 × 7 = 28	28 ÷ 7 = 4	28 ÷ 4 = 7
7 × 5 = 35	5 × 7 = 35	35 ÷ 7 = 5	35 ÷ 5 = 7
7 × 6 = 42	6 × 7 = 42	42 ÷ 7 = 6	42 ÷ 6 = 7
7 × 7 = 49	7 × 7 = 49	49 ÷ 7 = 7	49 ÷ 7 = 7
7 × 8 = 56	8 × 7 = 56	56 ÷ 7 = 8	56 ÷ 8 = 7
7 × 9 = 63	9 × 7 = 63	63 ÷ 7 = 9	63 ÷ 9 = 7
7 × 10 = 70	10 × 7 = 70	70 ÷ 7 = 10	70 ÷ 10 = 7
7 × 11 = 77	11 × 7 = 77	77 ÷ 7 = 11	77 ÷ 11 = 7
7 × 12 = 84	12 × 7 = 84	84 ÷ 7 = 12	84 ÷ 12 =7

Know the multiplication and division facts for the 9 times table

9 × 1 = 9	1 x 9 = 9	9 ÷ 9 = 1	9 ÷ 1 = 9
9 × 2 = 18	2 x 9 = 18	18 ÷ 9 = 2	18 ÷ 2 = 9
9 × 3 = 27	3 x 9 = 27	27 ÷ 9 = 3	27 ÷ 3 = 9
9 × 4 = 36	4 x 9 = 36	36 ÷ 9 = 4	36 ÷ 4 = 9
9 × 5 = 45	5 x 9 = 45	45 ÷ 9 = 5	45 ÷ 5 = 9
9 × 6 = 54	6 x 9 = 54	54 ÷ 9 = 6	54 ÷ 6 = 9
9 × 7 = 63	7 x 9 = 63	63 ÷ 9 = 7	63 ÷ 7 = 9
9 × 8 = 72	8 x 9 = 72	72 ÷ 9 = 8	72 ÷ 8 = 9
9 × 9 = 81	9 x 9 = 81	81 ÷ 9 = 9	81 ÷ 9 = 9
9 × 10 = 90	10 x 9 = 90	90 ÷ 9 = 10	90 ÷ 10 = 9
9 × 11 = 99	11 x 9 = 99	99 ÷ 9 = 11	99 ÷ 11 = 9
9 × 12 = 108	12 x 9 = 108	108 ÷ 9 = 12	108 ÷ 12 = 9

Know the multiplication and division facts for the 11 times table

11 × 1 = 11	1 x 11 = 11	11 ÷ 11 = 1	11 ÷ 1 = 11
11 × 2 = 22	2 x 11 = 22	22 ÷ 11 = 2	22 ÷ 2 = 11
11 × 3 = 33	3 x 11 = 33	33 ÷ 11 = 3	33 ÷ 3 = 11
11 × 4 = 44	4 x 11 = 44	44 ÷ 11 = 4	44 ÷ 4 = 11
11 × 5 = 55	5 x 11 = 55	55 ÷ 11 = 5	55 ÷ 5 = 11
11 × 6 = 66	6 x 11 = 66	66 ÷ 11 = 6	66 ÷ 6 = 11
11 × 7 = 77	7 x 11 = 77	77 ÷ 11 = 7	77 ÷ 7 = 11
11 × 8 = 88	8 x 11 = 88	88 ÷ 11 = 8	88 ÷ 8 = 11
11 × 9 = 99	9 x 11 = 99	99 ÷ 11 = 9	99 ÷ 9 = 11
11×10 = 110	10 x 11 = 110	110÷11 = 10	110÷10 = 11
11×11 = 121	11 x 11 = 121	121÷11 = 11	121÷11 = 11
11×12 = 132	12 x 11 = 132	132÷11 = 12	132÷12 = 11

Know the multiplication and division facts for the 12 times table

12 x 1 = 12	1 x 12 = 12	12 ÷ 12 = 1	12 ÷ 1 = 12
12 x 2 = 24	2 x 12 = 24	24 ÷ 12 = 2	24 ÷ 2 = 12
12 x 3 = 36	3 x 12 = 36	36 ÷ 12 = 3	36 ÷ 3 = 12
12 x 4 = 48	4 x 12 = 48	48 ÷ 12 = 4	48 ÷ 4 = 12
12 x 5 = 60	5 x 12 = 60	60 ÷ 12 = 5	60 ÷ 5 = 12
12 x 6 = 73	6 x 12 = 73	72 ÷ 12 = 6	72 ÷ 6 = 12
12 x 7 = 84	7 x 12 = 84	84 ÷ 12 = 7	84 ÷ 7 = 12
12 x 8 = 96	8 x 12 = 96	96 ÷ 12 = 8	96 ÷ 8 = 12
12 x 9 = 108	9 x 12 = 108	108 ÷ 12 = 9	108 ÷ 9 = 12
12 x 10 = 120	10 x 12 = 120	120÷12 = 10	120 ÷ 10= 112
12 x 11 = 132	11 x 12 = 132	132÷12 = 11	132÷11 = 12
12 x 12 = 144	12 x 12 = 144	144 ÷12 = 12	144 ÷12 = 12

Buy one get three free - If your child knows one fact (e.g. 2 x 4 = 8), can they tell you the other three facts in the same fact family?
Times table chanting– repeat and go over the tables over and over again. Practice makes permanent!
Test the Parent – Your child can make up their own tricky division questions for you e.g. *What is 70 divided by 7?* They need to be able to multiply to create these questions.
Apply these facts to real life situations – How many toes are in your house? What other multiplication and division questions can your child make up?

Warning! – When creating fact families, children sometimes get confused by the order of the numbers in the division number sentence. It is tempting to say that the biggest number goes first, but it is more helpful to say that the answer to the multiplication goes first, as this will help your child more in later years when they study fractions, decimals and algebra.
E.g. 3 × 12 = 36. The answer to the multiplication is 36, so 36 ÷ 3 = 12 and 36 ÷ 12 = 3