



Key Instant Recall Facts

Year 4 – Autumn Term 1

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **with speed and accuracy**:

I know multiplication and division facts
for the 6 times table

Children should be able to instantly recall
the 6 times table facts below:

$6 \times 1 = 6$	$1 \times 6 = 6$	$6 \div 6 = 1$	$6 \div 1 = 6$
$6 \times 2 = 12$	$2 \times 6 = 12$	$12 \div 6 = 2$	$12 \div 2 = 6$
$6 \times 3 = 18$	$3 \times 6 = 18$	$18 \div 6 = 3$	$18 \div 3 = 6$
$6 \times 4 = 24$	$4 \times 6 = 24$	$24 \div 6 = 4$	$24 \div 4 = 6$
$6 \times 5 = 30$	$5 \times 6 = 30$	$30 \div 6 = 5$	$30 \div 5 = 6$
$6 \times 6 = 36$	$6 \times 6 = 36$	$36 \div 6 = 6$	$36 \div 6 = 6$
$6 \times 7 = 42$	$7 \times 6 = 42$	$42 \div 6 = 7$	$42 \div 7 = 6$
$6 \times 8 = 48$	$8 \times 6 = 48$	$48 \div 6 = 8$	$48 \div 8 = 6$
$6 \times 9 = 54$	$9 \times 6 = 54$	$54 \div 6 = 9$	$54 \div 9 = 6$
$6 \times 10 = 60$	$10 \times 6 = 60$	$60 \div 6 = 10$	$60 \div 10 = 6$
$6 \times 11 = 66$	$11 \times 6 = 66$	$66 \div 6 = 11$	$66 \div 11 = 6$
$6 \times 12 = 72$	$12 \times 6 = 72$	$72 \div 6 = 12$	$72 \div 12 = 6$

Key vocabulary

What is 6 multiplied by 7?

What is 5 times 6?

What is 36 divided by 6?

Write four calculations for 12
lots of 6

Top tips

The secret to success is practising *little* and *often*. Use time wisely. Can you practise this KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once; perhaps you could have a fact of the day, or a few facts per week to practise? If you would like more ideas, please speak to your child's teacher.

Practical resources and ideas

Double your threes – Multiplying a number by 6 is the same as multiplying by 3 then doubling the answer. $7 \times 3 = 21$ and double 21 is 42, so $7 \times 6 = 42$.

Buy one get three free – If your child knows one fact (eg. $3 \times 6 = 18$), can they tell you the other three facts in the same fact family?



Key Instant Recall Facts

Year 4 – Autumn Term 2

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **with speed and accuracy**:

I know multiplication and division facts for the 9 and 11 times tables

Children should be able to instantly recall the 9 and 11 times table facts below:

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

Key vocabulary

What is 6 multiplied by 9?

What is 5 times 11?

What is 88 divided by 11?

Write four calculations for 9 lots of 9

Top tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise this KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once; perhaps you could have a fact of the day, or a few facts per week to practise? If you would like more ideas, please speak to your child's teacher.

Practical resources and ideas

- **Look for patterns** – These times tables are full of patterns for your child to find. How many can they spot? Use your ten times table.
- Multiply a number by 10 and subtract the original number (eg $7 \times 10 - 7 = 70 - 7 = 63$). What do you notice? What happens if you add your original number instead? (eg $7 \times 10 + 7 = 70 + 7 = 77$)
- **What do you already know?** – Your child will already know many of these facts from the 2, 3, 4, 5, 6, 8 and 10 times tables. It may be worth practising these again!



Key Instant Recall Facts

Year 4 – Spring Term 1

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **with speed and accuracy**:

I know multiplication and division facts
for the 7 times table

Children should be able to instantly recall
the 7 times table facts below:

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

Key vocabulary

What is 6 multiplied by 7?

What is 4 times 7?

What is 49 divided by 7?

Write four calculations for 9
lots of 7

Top tips

The secret to success is practising *little* and *often*. Use time wisely. Can you practise this KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once; perhaps you could have a fact of the day, or a few facts per week to practise? If you would like more ideas, please speak to your child's teacher.

Practical resources and ideas

- Chant your seven times table together.
- Write out the seven times table and its linked division facts.
- **Fact families** – ask your child to give you a seven times table fact, can they give three more facts in the same fact family?



Key Instant Recall Facts

Year 4 – Spring Term 2

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **with speed and accuracy**:

I know multiplication and division facts for the 12 times table

Children should be able to instantly recall the 12 times table facts below:

$1 \times 12 = 12$	$12 \div 12 = 1$
$2 \times 12 = 24$	$24 \div 12 = 2$
$3 \times 12 = 36$	$36 \div 12 = 3$
$4 \times 12 = 48$	$48 \div 12 = 4$
$5 \times 12 = 60$	$60 \div 12 = 5$
$6 \times 12 = 72$	$72 \div 12 = 6$
$7 \times 12 = 84$	$84 \div 12 = 7$
$8 \times 12 = 96$	$96 \div 12 = 8$
$9 \times 12 = 108$	$108 \div 12 = 9$
$10 \times 12 = 120$	$120 \div 12 = 10$
$11 \times 12 = 132$	$132 \div 12 = 11$
$12 \times 12 = 144$	$144 \div 12 = 12$

Key vocabulary

What is 12 multiplied by 6?

What is 12 times 8?

What is 96 divided by 12?

Write four calculations for 4 lots of 12

Top tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise this KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once; perhaps you could have a fact of the day, or a few facts per week to practise? If you would like more ideas, please speak to your child's teacher.

Practical resources and ideas

- Chant your twelve times table together.
- Write out the twelve times table and its linked division facts.
- **Fact families** – ask your child to give you a twelve times table fact, can they give three more facts in the same fact family?



Key Instant Recall Facts

Year 4 – Summer Term 1

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **with speed and accuracy**:

I know the multiplication and division facts for all times tables up to 12×12

Children should be able to instantly recall
all times table facts up to 12×12

x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Key vocabulary

What is 8 multiplied by 6?

What is 7 times 4?

What is 81 divided by 9?

What is the product of 5 and 7?

Top tips

The secret to success is practising *little* and *often*. Use time wisely. Can you practise this KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once; perhaps you could have a fact of the day, or a few facts per week to practise? If you would like more ideas, please speak to your child's teacher.

Practical resources and ideas

Use a multiplication square to practise multiplication facts together. Can you child tell you the linked division fact, and three facts linked to the multiplication fact to create the fact family?



Key Instant Recall Facts

Year 4 – Summer Term 2

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **with speed and accuracy**:

I can identify equivalent fractions

Children should be able to use their times table facts to identify equivalent fractions.

See example below:

You can create equivalent fractions by multiplying the numerator and denominator by the same number (any whole number integer).

$$\frac{2}{3} \stackrel{\times 2}{=} \frac{4}{6} \stackrel{\times 2}{=} \frac{8}{12}$$

The diagram shows the fraction 2/3 being multiplied by 2 to get 4/6, and then multiplied by 2 again to get 8/12. Curved arrows above the numbers indicate the multiplication of the numerator, and curved arrows below the numbers indicate the multiplication of the denominator.

Key vocabulary

What is 8 multiplied by 6?

What is 7 times 4?

What is 81 divided by 9?

What is the product of 5 and 7?

Top tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise this KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once; perhaps you could have a fact of the day, or a few facts per week to practise? If you would like more ideas, please speak to your child's teacher.

Practical resources and ideas

Give your child a simple fraction (unit-fraction like $\frac{1}{4}$ or a non-unit fraction like $\frac{2}{5}$). Choose a number to multiply by (e.g. 5) and ask your child to create as many equivalent fractions as they can by repeatedly multiplying the numerator and denominator by 5. Ask your child to write their list down to ensure they calculate accurately. Eg $\frac{1}{4} = \frac{5}{20} = \frac{25}{100} = \frac{125}{500}$