

# Key Instant Recall Facts

Year 3: Autumn 1



## Target: Know addition & subtraction facts up to 20

By the end of the half term, children should know the following facts. **The aim is for them to recall these facts instantly** – they should not be counting on/using fingers.

+	1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10	11
2	3	4	5	6	7	8	9	10	11	12
3	4	5	6	7	8	9	10	11	12	13
4	5	6	7	8	9	10	11	12	13	14
5	6	7	8	9	10	11	12	13	14	15
6	7	8	9	10	11	12	13	14	15	16
7	8	9	10	11	12	13	14	15	16	17
8	9	10	11	12	13	14	15	16	17	18
9	10	11	12	13	14	15	16	17	18	19
10	11	12	13	14	15	16	17	18	19	20

### Top Tips:

**Start with 0 facts** (e.g.  $4 + 0$ ,  $9 + 0$  etc)

**Teach 10 + facts** This links directly to the previous step (e.g. if I know  $4 + 0 = 4$  then  $10 + 4 = 14$ )

**Master the doubles** ( $1+1$ ,  $2+2$ ,  $3+3$  etc).

**Then make links with one and two**

**more/less than doubles:** e.g.  $5 + 4$  is the same as  $5 + 5 - 1$  or  $4 + 4 + 1$  and  $3 + 5$  is  $3 + 3$  and 2 more etc

**Number bonds to 10:** These have been a focus of KS1 so should be familiar

**Make links with one and two more/less than number bonds:** e.g.  $5 + 7$  is the same as  $10 + 2$  ( $5 + 5 + 2$ )

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 do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

### Useful Links:

[Robot Addition \(topmarks.co.uk\)](https://www.topmarks.co.uk/Robot-Addition)

[addition facts](#) | [subtraction facts](#) | [number line](#) | [math](#) | [primary maths \(visnos.com\)](#)

[Hit the Button - Quick fire maths practise for 6-11 year olds \(topmarks.co.uk\)](#) Number Bonds > Up to 20 > Addition and Subtraction

[Daily 10 - Mental Maths Challenge - Topmarks](#) Level 1 > Addition (or Subtraction) > Up to 20

**Don't practise until you get it right, practise until you can't get it wrong!**

# Key Instant Recall Facts

Year 3: Autumn 2



**Target: Know number bonds to 100**

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

## Some Examples:

$$20 + 80 = 100$$

$$80 + 20 = 100$$

$$100 - 20 = 80$$

$$100 - 80 = 20$$

$$42 + 58 = 100$$

$$58 + 42 = 100$$

$$100 - 42 = 58$$

$$100 - 58 = 42$$

## Top Tips:

Children can use their known facts for number bonds to 10 and apply this to 100:

e.g. If I know that  $2 + 8 = 10$  then I know that  $20 + 80 = 100$  etc

Children can use their known facts as above, but must first use the get to the next 10 from the ones, before getting to 100:

e.g.  $42 + 8 = 50$  then  $50 + 50 = 100$   
 $8 + 50 = 58$

**Children should be able to get the number bond from any given number up to 100. E.g.  $27 + ? = 100$**

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## Useful Links:

[Number bonds to 100 - Maths - Learning with BBC Bitesize - BBC Bitesize](#)

[Pop 'n' Drop \(ictgames.com\)](#)

[Funk Mummy | | Quick recall of addition, subtraction and multiplication facts | | Mobile-friendly version \(ictgames.com\)](#)

[Hit the Button - Quick fire maths practise for 6-11 year olds \(topmarks.co.uk\)](#)

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# Key Instant Recall Facts

Year 3: Spring 1



**Target: Know the multiplication & division facts for the 3 times table**

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

$0 \times 3 = 0$	$7 \times 3 = 21$	$0 \div 3 = 0$	$21 \div 3 = 7$
$1 \times 3 = 3$	$8 \times 3 = 24$	$3 \div 3 = 1$	$24 \div 3 = 8$
$2 \times 3 = 6$	$9 \times 3 = 27$	$6 \div 3 = 2$	$27 \div 3 = 9$
$3 \times 3 = 9$	$10 \times 3 = 30$	$9 \div 3 = 3$	$30 \div 3 = 10$
$4 \times 3 = 12$	$11 \times 3 = 33$	$12 \div 3 = 4$	$33 \div 3 = 11$
$5 \times 3 = 15$	$12 \times 3 = 36$	$15 \div 3 = 5$	$36 \div 3 = 12$
$6 \times 3 = 18$		$18 \div 3 = 6$	

## 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 do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

## Useful Links:

[Counting By Threes Song \(youtube.com\)](https://www.youtube.com/watch?v=3m8m8m8m8)

[KS2 Maths: The 3 Times Table - BBC Teach](https://www.bbc.com/teach/ks2-maths-the-3-times-table)

[Hit the Button - Quick fire maths practise for 6-11 year olds \(topmarks.co.uk\)](https://www.topmarks.co.uk/Hit-the-Button)

[Daily 10 - Mental Maths Challenge - Topmarks](https://www.topmarks.co.uk/Daily-10)

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# Key Instant Recall Facts

Year 3: Spring 2



**Target: Know the multiplication & division facts for the 4 times table**

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

$0 \times 4 = 0$	$7 \times 4 = 28$	$48 \div 4 = 12$	$20 \div 4 = 5$
$1 \times 4 = 4$	$8 \times 4 = 32$	$44 \div 4 = 11$	$16 \div 4 = 4$
$2 \times 4 = 8$	$9 \times 4 = 36$	$40 \div 4 = 10$	$12 \div 4 = 3$
$3 \times 4 = 12$	$10 \times 4 = 40$	$36 \div 4 = 9$	$8 \div 4 = 2$
$4 \times 4 = 16$	$11 \times 4 = 44$	$32 \div 4 = 8$	$4 \div 4 = 1$
$5 \times 4 = 20$	$12 \times 4 = 48$	$28 \div 4 = 7$	$0 \div 4 = 0$
$6 \times 4 = 24$		$24 \div 4 = 6$	

## 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 do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

## Useful Links:

[Count By 4 Song \(youtube.com\)](https://www.youtube.com/watch?v=...)

[Daily 10 - Mental Maths Challenge - Topmarks](https://www.topmarks.co.uk/...) (Select Level 3 > Multiplication (or Division) > x4

[Hit the Button - Quick fire maths practise for 6-11 year olds \(topmarks.co.uk\)](https://www.topmarks.co.uk/...)

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# Key Instant Recall Facts

Year 3: Summer 1



## **Target: Count in multiples of 50 & 100**

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

**50, 100, 150, 200, 250, 300, 350, 400 etc...**

**100, 200, 300, 400, 500, 600, 700, 800 etc...**

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<b>1 x 50 = 50</b>	<b>7 x 50 = 350</b>	<b>1 x 100 = 100</b>	<b>7 x 100 = 700</b>
<b>2 x 50 = 100</b>	<b>8 x 50 = 400</b>	<b>2 x 100 = 200</b>	<b>8 x 100 = 800</b>
<b>3 x 50 = 150</b>	<b>9 x 50 = 450</b>	<b>3 x 100 = 300</b>	<b>9 x 100 = 900</b>
<b>4 x 50 = 200</b>	<b>10 x 50 = 500</b>	<b>4 x 100 = 400</b>	<b>10 x 100 = 1000</b>
<b>5 x 50 = 250</b>	<b>11 x 50 = 550</b>	<b>5 x 100 = 500</b>	<b>11 x 100 = 1100</b>
<b>6 x 50 = 300</b>	<b>12 x 50 = 600</b>	<b>6 x 100 = 600</b>	<b>12 x 100 = 1200</b>

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### **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 do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

- **Make links to previous tables that are already known e.g. 5 times table:** if you know  $3 \times 5 = 15$  then you also know  $3 \times 50 = 150$  and if you know that  $5 \times 1 \text{ one} = 5 \text{ ones}$  then you also know  $5 \times 1 \text{ hundred} = 5 \text{ hundreds}$ .
- **Make links to doubling 50 to get the 100s e.g.**  $100 = \text{double } 50$  so...  $3 \times 100 = 6 \times 50$  (because double 3 = 6) etc

### **Useful Links:**

[Counting in 50s - Maths - Learning with BBC Bitesize - BBC Bitesize](#)

[Counting in 100s - Maths - Learning with BBC Bitesize - BBC Bitesize](#)

[The Counting by Hundreds Song | Counting Songs | Scratch Garden \(youtube.com\)](#)

[Counting By 50 to 500 Song | Tiny Tunes \(youtube.com\)](#)

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# Key Instant Recall Facts

Year 3: Summer 2



**Target: Know the multiplication & division facts for the 8 times table**

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

$0 \times 8 = 0$

$7 \times 8 = 56$

$96 \div 8 = 12$

$40 \div 8 = 5$

$1 \times 8 = 8$

$8 \times 8 = 64$

$88 \div 8 = 11$

$32 \div 8 = 4$

$2 \times 8 = 16$

$9 \times 8 = 72$

$80 \div 8 = 10$

$24 \div 8 = 3$

$3 \times 8 = 24$

$10 \times 8 = 80$

$72 \div 8 = 9$

$16 \div 8 = 2$

$4 \times 8 = 32$

$11 \times 8 = 88$

$64 \div 8 = 8$

$8 \div 8 = 1$

$5 \times 8 = 40$

$12 \times 8 = 96$

$56 \div 8 = 7$

$0 \div 8 = 0$

$6 \times 8 = 48$

$48 \div 8 = 6$

## 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 do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

## Useful Links:

[Counting By Eights Song \(youtube.com\)](https://www.youtube.com/watch?v=...)

[Daily 10 - Mental Maths Challenge - Topmarks](https://www.topmarks.co.uk/...)

[Hit the Button - Quick fire maths practise for 6-11 year olds \(topmarks.co.uk\)](https://www.topmarks.co.uk/...)

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