



# Key Instant Recall Facts

## Year 2 – Autumn 1

**I know number bonds to 10 and 20.**

**I know doubles and halves of numbers to 20.**

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

Children should know all the number bonds to 10:	Children should know all the number bonds to 20:	Doubles to 20	Halves to 20
<b>0 and 10</b> <b>1 and 9</b> <b>2 and 8</b> <b>3 and 7</b> <b>4 and 6</b> <b>5 and 5</b>  (and the other way round - commutativity) Again, the children should also know them as a number sentence e.g. $0 + 20 = 20$ $0 + 10 = 10$ $1 + 9 = 10$ $2 + 8 = 10$ $3 + 7 = 10$ etc.	<b>0 and 20</b> <b>1 and 19</b> <b>2 and 18</b> <b>3 and 17</b> <b>4 and 16</b> <b>5 and 15</b> <b>6 and 14</b> <b>7 and 13</b> <b>8 and 12</b> <b>9 and 11</b> <b>10 and 10</b>  (and the other way round - commutativity) Again the children should also know them as a number sentence e.g. $0 + 20 = 20$	$0 + 0 = 0$ $1 + 1 = 2$ $2 + 2 = 4$ $3 + 3 = 6$ $4 + 4 = 8$ $5 + 5 = 10$ $6 + 6 = 12$ $7 + 7 = 14$ $8 + 8 = 16$ $9 + 9 = 18$ $10 + 10 = 20$	$\text{half of } 20 = 10$ $\text{half of } 18 = 9$ $\text{half of } 16 = 8$ $\text{half of } 14 = 7$ $\text{half of } 12 = 6$ $\text{half of } 10 = 5$ $\text{half of } 8 = 4$ $\text{half of } 6 = 3$ $\text{half of } 4 = 2$ $\text{half of } 2 = 1$

### 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.

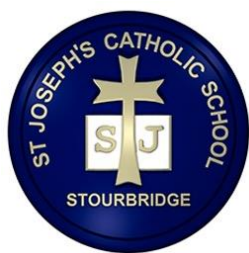
Pronunciation – Make sure that your child is pronouncing the numbers correctly and not getting confused between **thirteen** and **thirty**.

Songs and Chants – You can buy CDs or find songs and chants online. If your child creates their own song, this can make the facts even more memorable.

Playing games can make learning facts fun to learn:

<http://www.conkermaths.org/cmweb.nsf/products/conkerkirfs.html> See how many questions you can answer in 90 seconds.

<https://www.topmarks.co.uk/maths-games/daily10> and <https://www.topmarks.co.uk/maths-games/hit-the-button>



# Key Instant Recall Facts

## Year 2– Autumn 2

**I know near doubles to 10.**

**Count confidently in 2's**

<u>Doubles to 20</u>	<u>Near doubles</u>	<u>Counting in twos</u>
0 + 0 = 0	<b>0 + 1 = 1</b>	0
1 + 1 = 2	<b>1 + 2 = 3</b>	2
2 + 2 = 4	<b>2 + 3 = 5</b>	4
3 + 3 = 6	<b>3 + 4 = 7</b>	6
4 + 4 = 8	<b>4 + 5 = 9</b>	8
5 + 5 = 10	<b>5 + 6 = 11</b>	10
6 + 6 = 12	<b>6 + 7 = 13</b>	12
7 + 7 = 14	<b>7 + 8 = 15</b>	14
8 + 8 = 16	<b>8 + 9 = 17</b>	16
9 + 9 = 18	<b>9 + 10 = 19</b>	18
10 + 10 = 20	<b>10 + 11 = 21</b>	20
		22 etc.

By the end of this half term, children should be able to count in the 2s counting patterns. The aim is for them to say these off by heart and may be able to say if a number will be in the counting in twos pattern. E.g. 46 is in the twos pattern but 75 is not.

### 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. Try counting in 2s to 10 first, then 20, then 30, 40, 50 and beyond.

Counting games: <https://www.topmarks.co.uk/learning-to-count/paint-the-squares>

Practise looking for number patterns with <https://www.primarygames.co.uk/pg2/splat/splatsq100.html>