Key Instant Recall Facts

Year 2: Autumn 1

Target: Know the number bonds for 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. Children should be able to answer questions in any order, including missing number questions e.g. 17 + [ ] = 20 or 20 – [ ] = 12

0 + 20 = 20	20 + 0 = 20	20 – 0 = 20	20 – 20 = 0
1 + 19 = 20	19 + 1 = 20	20 – 1 = 19	20 – 19 = 1
2 + 18 = 20	18 + 2 = 20	20 – 2 = 18	20 – 18 = 2
3 + 17 = 20	17 + 3 = 20	20 – 3 = 17	20 – 17 = 3
4 + 16 = 20	16 + 4 = 20	20 – 4 = 16	20 – 16 = 4
5 + 15 = 20	15 + 5 = 20	20 – 5 = 15	20 – 15 = 5
6 + 14 = 20	14 + 6 = 20	20 – 6 = 14	20 – 14 = 6
7 + 13 = 20	13 + 7 = 20	20 – 7 = 13	20 – 13 = 7
8 + 12 = 20	12 + 8 = 20	20 – 8 = 12	20 – 12 = 8
9 + 11 = 20	11 + 9 = 20	20 – 9 = 11	20 – 11 = 9
	10 + 10 = 20	20 – 10 = 10	

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.

- *Use what they already know: Use number bonds to 10 (e.g. 7 + 3 = 10) to work out related number bonds to 20 (e.g. 17 + 3 = 20)*
- *Learn the numbers in pairs: If you know that 15 and 5 are pairs, then they must be in all bonds to 20 (e.g. if you know 15 + 5 = 20 then you know 5 + 15 = 20 as well as 20 – 5 = 15 and 20 – 15 = 5)*

Useful Links:

Number Bonds 20 | Math Playground

Hit the Button - Quick fire maths practise for 6-11 year olds (topmarks.co.uk) – (Number Bonds section)

Helicopter Rescue - Mental Maths for 4 to 8 Year Olds (topmarks.co.uk)

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

Key Instant Recall Facts

Year 2: Autumn 2

Target: Know the multiplication & division facts for the 2 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 x 2 = 0	7 x 2 = 14	0 ÷ 2 = 0	14 ÷ 2 = 7
1 x 2 = 2	8 x 2 = 16	2 ÷ 2 = 1	16 ÷ 2 = 8
2 x 2 = 4	9 x 2 = 18	4 ÷ 2 = 2	18 ÷ 2 = 9
3 x 2 = 6	10 x 2 = 20	6 ÷ 2 = 3	20 ÷ 2 = 10
4 x 2 = 8	11 x 2 = 22	8 ÷ 2 = 4	22 ÷ 2 = 11
5 x 2 = 10	12 x 2 = 24	10 ÷ 2 = 5	24 ÷ 2 = 12
6 x 2 = 12		12 ÷ 2 = 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 Twos Song (youtube.com)

Daily 10 - Mental Maths Challenge - Topmarks (Select Level 2 > Multiplication (or Division) > x2

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

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

Key Instant Recall Facts

Year 2: Spring 1

Target: Know doubles & halves of numbers 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.**

Double 0 = 0	**Double 11 = 22**	**Half of 2 = 1**
Double 1 = 2	**Double 12 = 24**	**Half of 4 = 2**
Double 2 = 4	**Double 13 = 26**	**Half of 6 = 3**
Double 3 = 6	**Double 14 = 28**	**Half of 8 = 4**
Double 4 = 8	**Double 15 = 30**	**Half of 10 = 5**
Double 5 = 10	**Double 16 = 32**	**Half of 12 = 6**
Double 6 = 12	**Double 17 = 34**	**Half of 14 = 7**
Double 7 = 14	**Double 18 = 36**	**Half of 16 = 8**
Double 8 = 16	**Double 19 = 38**	**Half of 18 = 9**
Double 9 = 18	**Double 20 = 40**	**Half of 20 = 10**
Double 10 = 20		

The black facts should be embedded from Year 1; the red ones are new to Year 2. Children should know the number sentences that go with each double/half e.g.:
double 7 = 7 + 7 and 7 x 2   half of 12 = 12 ÷ 2

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 it a game of 'ping & pong': In this game, the parent says, "Ping," and the child replies, "Pong." Then the parent says a number and the child doubles it. For a harder version, the adult can say, "Pong." The child replies, "Ping," and then halves the next number given.*

Useful Links:

Daily 10 - Mental Maths Challenge - Topmarks Level 2 > Doubles/Halves

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

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

Key Instant Recall Facts

Year 2: Spring 2

Target: Know the multiplication & division facts for the 10 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 x 10 = 0	7 x 10 = 70	120 ÷ 10 = 12	50 ÷ 10 = 5
1 x 10 = 10	8 x 10 = 80	110 ÷ 10 = 11	40 ÷ 10 = 4
2 x 10 = 20	9 x 10 = 90	100 ÷ 10 = 10	30 ÷ 10 = 3
3 x 10 = 30	10 x 10 = 100	90 ÷ 10 = 9	20 ÷ 10 = 2
4 x 10 = 40	11 x 10 = 110	80 ÷ 10 = 8	10 ÷ 10 = 1
5 x 10 = 50	12 x 10 = 120	70 ÷ 10 = 7	0 ÷ 10 = 0
6 x 10 = 60		60 ÷ 10 = 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 Tens Song (youtube.com)

Daily 10 - Mental Maths Challenge - Topmarks (Select Level 2 > Multiplication (or Division) > x10

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

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

Key Instant Recall Facts

Year 2: Summer 1

Target: Count, read & write numbers to 100 in words & numerals

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

Children should have learned how to spell numbers 1 – 20 from their Year 1 KIRFs. Please refer to Year 1: Autumn 1 and Year 1: Summer 1 KIRFs and check that these are embedded before moving onto the spellings below:

30 = thirty	**70 = seventy**
40 = forty	**80 = eighty**
50 = fifty	**90 = ninety**
60 = sixty	**100 = one hundred**

Children should be able to spell all numbers up to 100 once they learn the spellings above as they combine them with what they learned in Year 1.

e.g. 73 = seventy three
(Year 2) (Year 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 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.

- *Chunk the spellings up and learn some each week; remember to include the ones from the previous weeks too.*
- *Make numerals and word cards and play matching games or snap.*

Useful Links:

Write number names 1 to 100 in words || one to hundred spelling in English ||write spelling 1 to 100 (youtube.com)

Numbers To words to 100 - Teaching resources (wordwall.net)

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

Key Instant Recall Facts

Year 2: Summer 2

Target: Know the multiplication & division facts for the 5 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 x 5 = 0	7 x 5 = 35	60 ÷ 5 = 12	25 ÷ 5 = 5
1 x 5 = 5	8 x 5 = 40	55 ÷ 5 = 11	20 ÷ 5 = 4
2 x 5 = 10	9 x 5 = 45	50 ÷ 5 = 10	15 ÷ 5 = 3
3 x 5 = 15	10 x 5 = 50	45 ÷ 5 = 9	10 ÷ 5 = 2
4 x 5 = 20	11 x 5 = 55	40 ÷ 5 = 8	5 ÷ 5 = 1
5 x 5 = 25	12 x 5 = 60	35 ÷ 5 = 7	0 ÷ 5 = 0
6 x 5 = 30		30 ÷ 5 = 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 Fives Song (youtube.com)

Daily 10 - Mental Maths Challenge - Topmarks

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

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