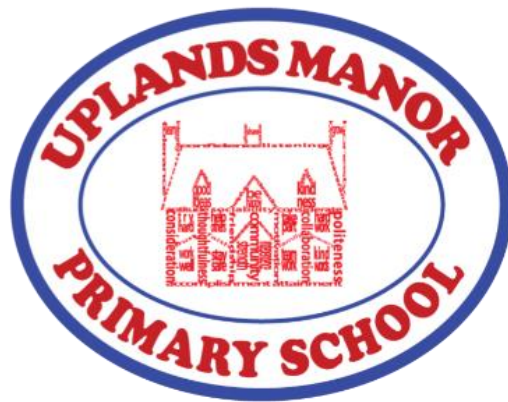# Uplands Manor Primary School

Key Instant Recall Facts (KIRFs)

Year 1

Uplands Manor Primary School
Key Instant Recall Facts
Year 1 - Autumn 1

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

By the end of this half term, children should be able to count to 50. Start off by using this square to help, and then remove the support as they get more confident. Try starting from different numbers and asking your child to continue counting. E.g. What numbers come after 25?

Children should be able to add 1 or 0 to any number up to 10. The aim is that children recall these answers instantly.

When you add 0 to a number, the number stays the same e.g.

$0 + 0 = 0$
$1 + 0 = 1$
$2 + 0 = 2$
$3 + 0 = 3$
$4 + 0 = 4$
$5 + 0 = 5$

When you add 1 to a number, the number increases by 1 e.g.

$0 + 1 = 1$
$1 + 1 = 2$
$2 + 1 = 3$
$3 + 1 = 4$
$4 + 1 = 5$
$5 + 1 = 6$

They should know commutative calculations as well (either way around, the answers are the same) e.g.

$6 + 1 = 7$
$1 + 6 = 7$

$8 + 1 = 9$
$1 + 8 = 9$

Key Vocabulary

What is 1 more than ___?

What is 1 less than ___?

What is ___ add zero?

What is ___ subtract 0?

Top Tips

The secret to success is practicing little and often. Use time wisely- can you practice these KIRFs while walking to school or during a car journey? Use interesting items to investigate- if you add 0 more sweets, how many do you have?
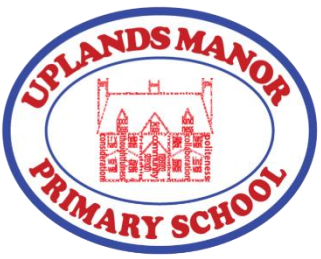
By the end of this half term, children should know the following facts. The aim is for them to recall these facts instantly.

Doubles of numbers to 5:

$1 + 1 = 2$

$2 + 2 = 4$

$3 + 3 = 6$

$4 + 4 = 8$

$5 + 5 = 10$

Children should also learn their near doubles. This means adding numbers 1 more/less than each other e.g.

$4 + 3 = 7$

$3 + 4 = 7$

$5 + 4 = 9$

$4 + 5 = 9$

Key Vocabulary

Double __ is ____

Half of __ is ____

Double 4 is 8 so 4 + 5 must be 9.

__ + __ = __

Double 1 is 2   so   half of 2 is 1

Double 2 is 4   so   half of 4 is 2

Double 3 is 6   so   half of 6 is 3

Double 4 is 8   so   half of 8 is 3

Double 5 is 10   so   half of 10 is 5

Top Tips
The secret to success is practicing little and often. Use time wisely- can you practice these KIRFs while walking to school or during a car journey? Play this fun interactive game:
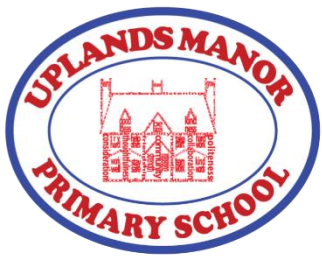https://www.topmarks.co.uk/mathsgames/mental-maths-train

Targets:
I can add 2 to any number.
I can subtract 2 from any number.

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 also learn to related subtraction facts.

$11 - 2 = 9$ $7 - 2 = 5$

$9 - 2 = 7$ $6 - 2 = 4$

$8 - 2 = 6$ $5 - 2 = 3$

Key Vocabulary

7 add 2 equals?

9 subtract two equals?

2 more than ___ is ____.

2 less than ___ is ____.

When you add 2 to a number, the number increases by 2 e.g.

$3 + 2 = 5$

$4 + 2 = 6$

$5 + 2 = 7$

$6 + 2 = 8$

$7 + 2 = 9$

$9 + 2 = 11$

They should also know the commutative calculations e.g.

$2 + 3 = 5$

$2 + 4 = 6$

$2 + 5 = 7$

$2 + 6 = 8$

$2 + 7 = 9$

$2 + 9 = 11$

Top Tips
The secret to success is practicing little and often. Use time wisely- can you practice these KIRFs while walking to school or during a car journey?
Play this fun interactive game:
https://www.topmarks.co.uk/mathsgames/mental-maths-train

Targets:
I know my number bonds to ten.

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

Your child should be able to answer these questions in any order, including missing number questions

e.g. $6 + \bigcirc = 10$ or $10 - \bigcirc = 3$.

$0 + 10 = 10$	$2 + 8 = 10$	$4 + 6 = 10$
$10 + 0 = 10$	$8 + 2 = 10$	$6 + 4 = 10$
$10 - 10 = 0$	$10 - 8 = 2$	$10 - 6 = 4$
$10 - 0 = 10$	$10 - 2 = 8$	$10 - 4 = 6$
$1 + 9 = 10$	$3 + 7 = 10$	$5 + 5 = 10$
$9 + 1 = 10$	$7 + 3 = 10$	$10 - 5 = 5$
$10 - 9 = 1$	$10 - 7 = 3$	
$10 - 1 = 9$	$10 - 3 = 7$	

Key Vocabulary

____ and ____ make ten.

____ needs ____ to make ten.

What goes with ____ to make ten?

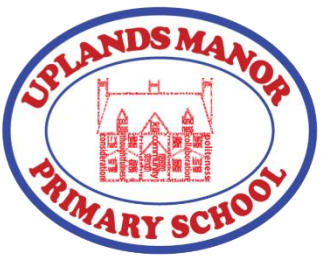What is left when I subtract ____ from ten?

Top Tips

The secret to success is practising little and often. Use time wisely.

Use practical resources – Your child has ten pieces of Lego and you take away two. Can they predict how many they will have now?

Try to learn the whole "fact family"- if 9 + 1 = 10, then 1 + 9 = 10, so 10 – 9 = 1 and 10 – 1 = 9.

Youtube song - https://www.youtube.com/watch?v=z H5GM_HrQJc

Play games – You can play number bond pairs online at www.conkermaths.com and then see how many questions you can answer in just one minute.

Uplands Manor Primary School
Key Instant Recall Facts
Year 1 – Summer 1

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

Doubles:

$0 + 0 = 0$
$1 + 1 = 2$
$2 + 2 = 4$
$3 + 3 = 6$
$4 + 4 = 8$
$5 + 5 = 10$
$6 + 6 = 12$
$7 + 7 = 14$
$8 + 8 = 16$
$9 + 9 = 18$
$10 + 10 = 20$

Halves:

Half of 20 is 10
Half of 18 is 9
Half of 16 is 8
Half of 14 is 7
Half of 12 is 6
Half of 10 is 5
Half of 8 is 4
Half of 6 is 3
Half of 4 is 2
Half of 2 is 1

Children should know that they can work out near doubles, by doubling the first number and adding or subtracting 1. e.g. $4 + 5$ can be done by doubling 4 and adding 1

Key Vocabulary

What is double____?

What is half of ____?

If I know that double 3 is 6 then I know that $3 + 4$ is 7 because it is one more.

Top Tips

The secret to success is practising little and often. Use time wisely.

Doubles song -
https://www.youtube.com/watch?v=At0quRa90rs

Hit the button- for doubling and halving games
https://www.topmarks.co.uk/maths-games/hitthe-button

Targets:
I can add ten to a number.
I can subtract ten from a number.

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 also be able to subtract ten from any number within 100.
e.g.

$$79 - 10 = 69$$
$$93 - 10 = 83$$
$$21 - 10 = 11$$

Children should be able to see that only the tens digit changes when adding ten to a number:

$$2 + 10 = 12 \qquad 76 + 10 = 86$$
$$47 + 10 = 57 \qquad 8 + 10 = 18$$
$$26 + 10 = 36 \qquad 16 + 10 = 26$$
$$10 + 10 = 20 \qquad 59 + 10 = 69$$
$$35 + 10 = 45 \qquad 41 + 10 = 51$$

Key Vocabulary

What is 3 add ten?

What is ten more than ____?

What is ten less than ____?

What is ____ subtract ten?

Top Tips

The secret to success is practising little and often. Use time wisely.

Identify how many tens are in the original number. Ask 'If I added or took one of those tens away how many would I have?

Use this interactive hundred square and practice identifying ten more and ten less - https://www.topmarks.co.uk/learning-to-count/paint-the-squares