

With God all things are possible. Matthew 19:26



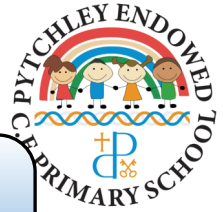
Year 1

Key Instant Recall Facts

To develop your child's fluency and mental maths skills, we are introducing KIRFs (Key Instant Recall Facts) throughout school. KIRFs are a way of helping your child to learn by heart, key facts and information which they need to have instant recall of. KIRFs are designed to support the development of mental maths skills that underpin much of the maths work in our school. They are particularly useful when calculating, adding, subtracting, multiplying or dividing. They contain number facts such as number bonds and times tables that need constant practise and rehearsal, so children can recall them quickly and accurately.

For your child to become more efficient in recalling them easily, they need to be practised frequently and for short periods of time. Each half term, children will focus on a Key Instant Recall Fact (KIRF) to practise both in school and learn at home for the half term. They will also be available on our school website under the maths section. They are not designed to be a time-consuming task and can be practised anywhere – in the car, walking to school, etc. Regular practice - little and often – helps children to retain these facts and keep their skills sharp. Over their time at primary school, we believe that - if the KIRFs are developed fully - children will be more confident with number work, understand its relevance, and be able to access the curriculum much more easily.

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Key Instant Recall Facts

Autumn 1

Recall all number bonds to 10

By the end of this term we aim that children should know these facts instantly

$$1 + 9$$

$$2 + 8$$

$$3 + 7$$

$$4 + 6$$

$$5 + 5$$

Key vocabulary

What is 7 add 3?

What is 2 plus 8?

What is 10 take away

2?

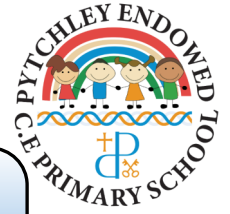
Top Tip:

Please practise these little and often, at times like when you are on your way to school or doing tasks in the house. Make them a part of your everyday routine.

How to practise this skill examples:

- Ball throw- Write the numbers 1-10 on large pieces of paper. Call out a number to your child and challenge them to throw a ball at two numbers that make that number.
- Websites: <https://www.topmarks.co.uk/maths-games/hit-the-button>

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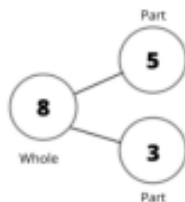
Key Instant Recall Facts

Autumn 2

Recall all number bonds within 10

By the end of this term we aim that children should know these facts instantly

Facts within 10 are addition and subtraction calculations that make every number between 1-10, they are number bonds for every number to 10, for example $7+0 = 7$, $6+1= 7$, $5+2= 7$ etc.



Key vocabulary

2 add 6 equals 8

3 plus 2 is the same as 5

7 take away 4 equals 3

9 subtract 3 makes 6

3 minus 2 equals 1

Top Tip:

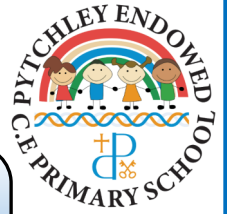
Please practise these little and often, at times like when you are on your way to school or doing tasks in the house. Make them a part of your everyday routine.

How to practise this skill examples:

Ball throw- Write the numbers 1-10 on large pieces of paper. Call out a number to your child and challenge them to throw a ball at two numbers that make that number.

- Facts bingo- Write the numbers 1-10 in a simple grid. Say; I want to make ___, I have ___ what do I need to add? Challenge your child to choose the correct number to finish the calculation.

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Key Instant Recall Facts

Spring 1

I can recall all number bonds within 20

By the end of this term we aim that children should know these facts instantly

2 + 9	5 + 8
3 + 8	5 + 9
3 + 9	6 + 7
4 + 7	6 + 8
4 + 8	6 + 9
4 + 9	7 + 8
5 + 6	7 + 9
5 + 7	8 + 9

Key vocabulary

Zero	Six
One	Seven
Two	Eight
Three	Nine
Four	Ten

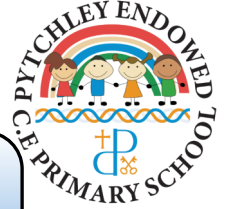
Top Tip:

Please practise these little and often, at times like when you are on your way to school or doing tasks in the house. Make them a part of your everyday routine.

How to practise this skill examples:

- Counting when you are tidying up
- Singing number songs like 5 speckled frogs
- Finding things outside to count
- <https://www.topmarks.co.uk/learning-to-count/ladybird-spots>

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Key Instant Recall Facts

Spring 2

I can count in 10s to 100 and 5s to 50

By the end of this term we aim that children should know these facts instantly

Counting all the way to 100 in steps of 10

Counting all the way to 50 in steps of 5

Key vocabulary

10,20,30,40,50,60,70,
80,90,100

5,10,15,20,25,30,35,4
0,45,50

Top Tip:

Please practise these little and often, at times like when you are on your way to school or doing tasks in the house. Make them a part of your everyday routine.

How to practise this skill examples:

- Bag things into sets of 10- ask the children to count a different number of bags, using counting in 10s.
- Do the same with sets of 5s.
- Drawing animals with 5 or 10 legs and then counting the legs

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Key Instant Recall Facts

Summer 1

I can count in 2s to 20

I can recall all doubles and halves to 10

By the end of this term we aim that children should know these facts instantly

$0 + 0 = 0$

$\text{half of } 0 = 0$

$1 + 1 = 2$

$\text{half of } 2 = 1$

$2 + 2 = 4$

$\text{half of } 4 = 2$

$3 + 3 = 6$

$\text{half of } 6 = 3$

$4 + 4 = 8$

$\text{half of } 8 = 4$

$5 + 5 = 10$

$\text{half of } 10 = 5$

$6 + 6 = 12$

$7 + 7 = 14$

$8 + 8 = 16$

$9 + 9 = 18$

$10 + 10 = 20$

Key vocabulary

Top Tip:

Please practise these little and often, at times like when you are on your way to school or doing tasks in the house. Make them a part of your everyday routine.

How to practise this skill examples:

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 the harder version, the adult can say

'Pong' and the child replies 'Ping' then halves the number.

Practise online – Go to www.conkermaths.org and then see how many questions you can answer in just 90 seconds.

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Key Instant Recall Facts

Summer 2

I can recall number bonds to 20

By the end of this term we aim that children should know these facts instantly

$2 + 18$

$1 + 19$

$3 + 17$

$10 + 10$

$4 + 16$

$20 + 0$

$5 + 15$

$6 + 14$

$7 + 13$

$8 + 12$

$9 + 11$

Key vocabulary

What is 17 add 3?

What is 2 plus 18?

What is 20 take away

2?

Top Tip:

Please practise these little and often, at times like when you are on your way to school or doing tasks in the house. Make them a part of your everyday routine.

How to practise this skill examples:

Ball throw- Write the numbers 1-20 on large pieces of paper. Call out a number to your child and challenge them to throw a ball at two numbers that make that number.

- https://www.mathplayground.com/number_bonds_20.html