



Year 3
Maths
Friday 13th November



Overview – FLUENCY FRIDAY

Today we are going to practise some of our **number pairs up to 9** and use these to help us work out the answer to other number sentences.



Fluency Friday

– Number pairs/facts

LEARNING INTENTION:

- To recall and use number pairs up to 9.
- To recall and use number facts to create number sentences
- To use known number facts to solve other number sentences.



Fluency Friday – Mental starter

On your whiteboard, write down all the number pairs to 10.

Try and be systematic!

Discuss with your partner any patterns in the numbers you can see.



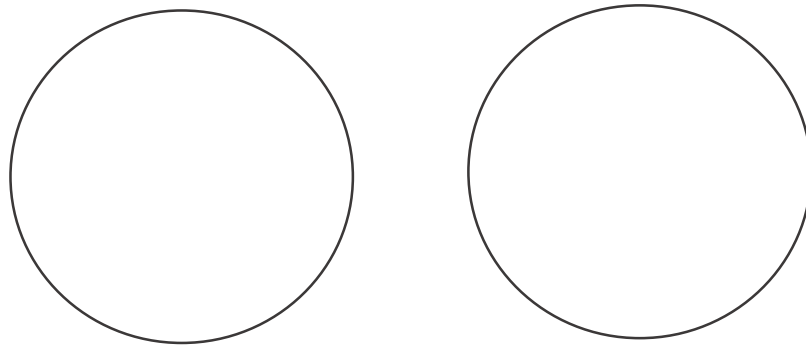
Fluency Friday

- Introduction 1

Here are 7 cubes.



How many different ways can you split them up into 2 circles?



Write all the number sentences to represent how you are splitting them up e.g. $2 + 5 = 7$

Try and be systematic in your recording



Fluency Friday

- Introduction 2

Here are all the addition sentences for number pairs to 7:

$$0 + 7 = 7$$

$$1 + 6 = 7$$

$$2 + 5 = 7$$

$$3 + 4 = 7$$

$$4 + 3 = 7$$

$$5 + 2 = 7$$

$$6 + 1 = 7$$

$$7 + 0 = 7$$

BUT what about the subtraction sentences?



Fluency Friday

- Introduction 3

Here are all the subtraction sentences for number pairs to 7:

$$7 - 0 = 7$$

$$7 - 1 = 6$$

$$7 - 2 = 5$$

$$7 - 3 = 4$$

$$7 - 4 = 3$$

$$7 - 5 = 2$$

$$7 - 6 = 1$$

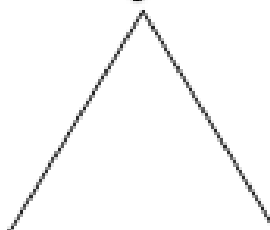
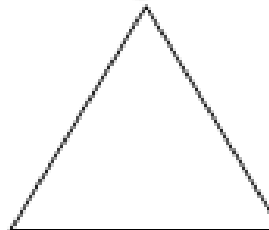
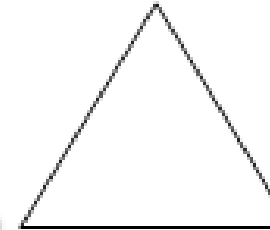
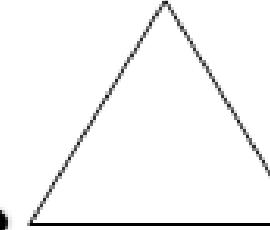
$$7 - 7 = 0$$



Fluency Friday

- Introduction 4

Look at the worksheet which shows some 'trio' diagrams for 7. We are going to complete the related number sentences together.

7  0 7 $0 + 7 =$ $7 + 0 =$ $7 - 0 =$ $7 - 7 =$	7  1 6 $1 + 6 =$ $6 + 1 =$ $7 - 1 =$ $7 - 6 =$	7  2 5 $2 + 5 =$ $5 + 2 =$ $7 - 2 =$ $7 - 5 =$	7  3 4 $3 + 4 =$ $4 + 3 =$ $7 - 3 =$ $7 - 4 =$
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Fluency Friday - Introduction 5

Your first task will be to complete the rest of the worksheet (trios and number sentences for 8 and 9).

Try and be systematic!

Then try the CHALLENGE:

If we know that $5 + 2 = 7$,

how can we use this to help us work out:

$50 + 20$ or $500 + 200$?