

Maths

Fluency & Reasoning

KS1

FLUENCY WARM UP

PART, PART WHOLE

MISSING NUMBER PROBLEMS

QUICK FIRE / WRITE A NUMBER SENTENCE

WHAT IS THE UNDERLINE DIGIT WORTH?

PLACE VALUE FUN

USE YOUR BONDS

ORDERING NUMBERS

COUNT IN 2s, 5s & 10s

MATCH THE CALCUALTIONS / MIX UP

FLUENCY WARM UP

Can you solve these mixed calculations quickly! Look carefully at the operation symbol! How can you solve them?

$$3 + 3 =$$

$$6 + 4 =$$

Double 6

$$7 + 10 =$$

$$16 - 15 =$$

$$14 - 4 =$$

$$3 + 3 + 3 =$$

$$10 + 30 =$$

$$16 + 11 =$$

$$42 - 10 =$$

$$15 + 15 =$$

$$8 + 8 =$$

$$7 + 3 =$$

Double 11

$$6 + 20 =$$

$$40 - 35 =$$

$$26 - 6 =$$

$$10 + 10 + 10 =$$

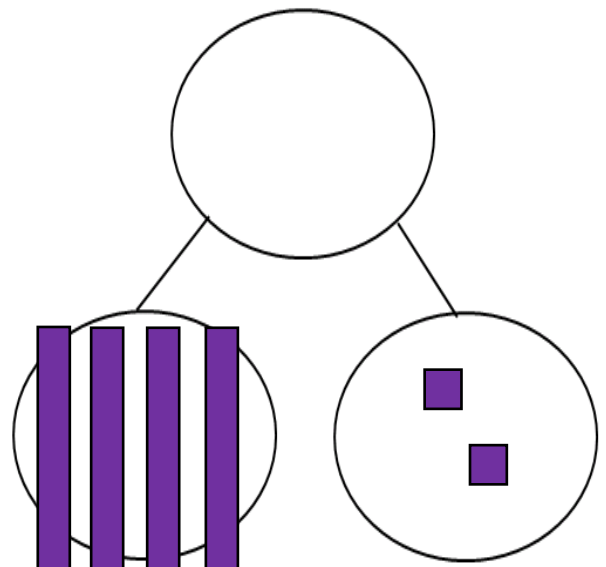
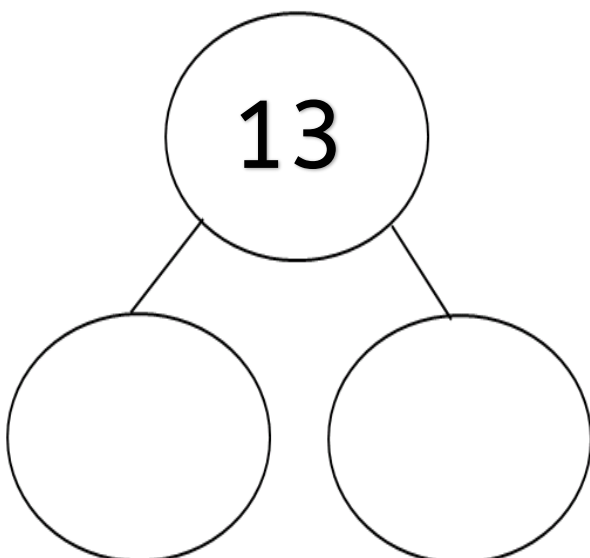
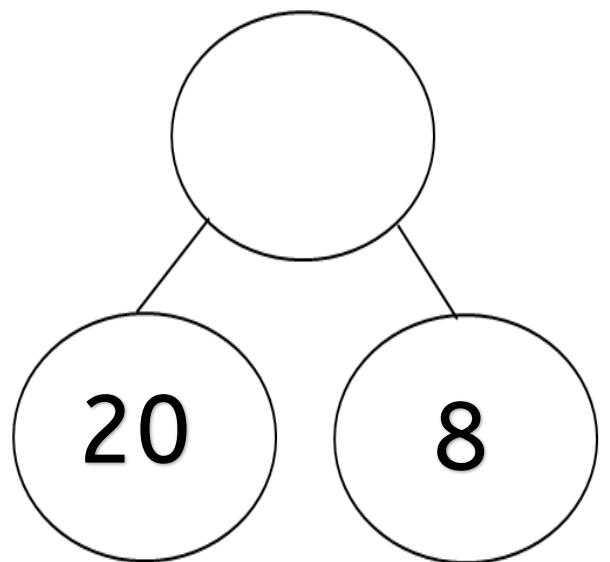
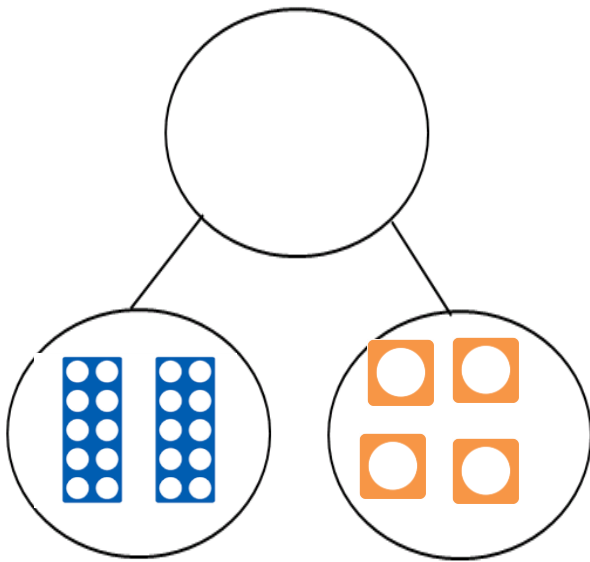
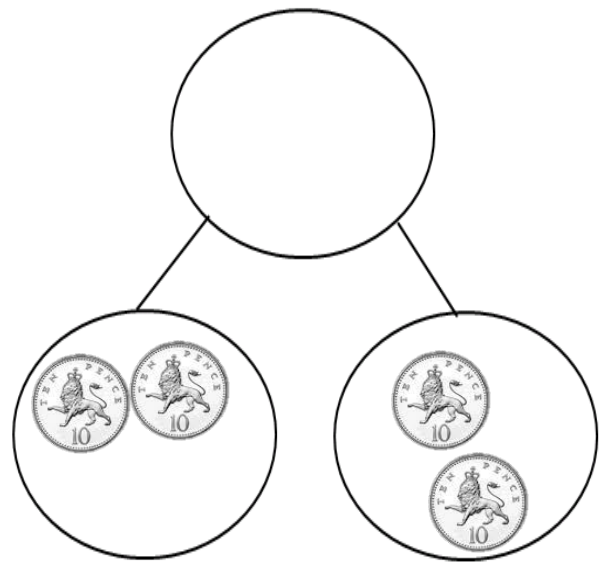
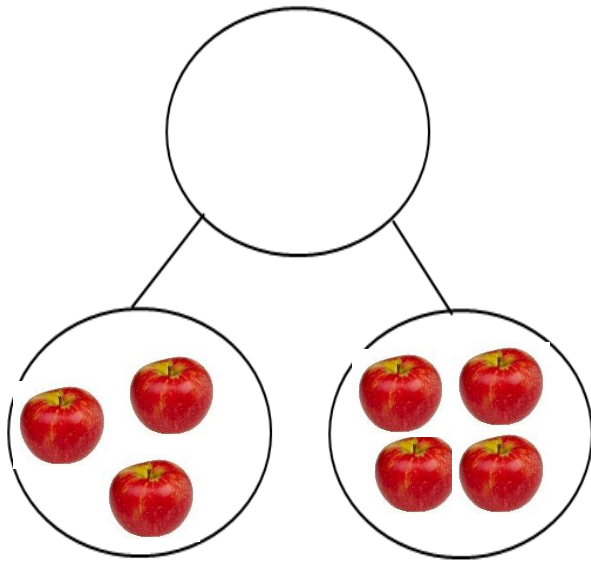
$$50 + 40 =$$

$$24 + 9 =$$

$$50 - 40 =$$

$$50 + 50 =$$

PART PART WHOLE:



MISSING NUMBER PROBLEMS:

$$10 - \square = 8$$

$$10 + \square = 15$$

$$12 - \square = 10$$

$$10 + \square = 20$$

$$\square + 5 = 7$$

$$\square - 1 = 19$$

$$13 - \square = 9$$

$$15 - \square = 1$$

$$10 + \square = 18$$

$$8 + \square = 20$$

$$\square + 5 = 15$$

$$\square + 11 = 22$$

$$20 - \square = 0$$

$$20 + \square = 40$$

$$88 - \square = 8$$

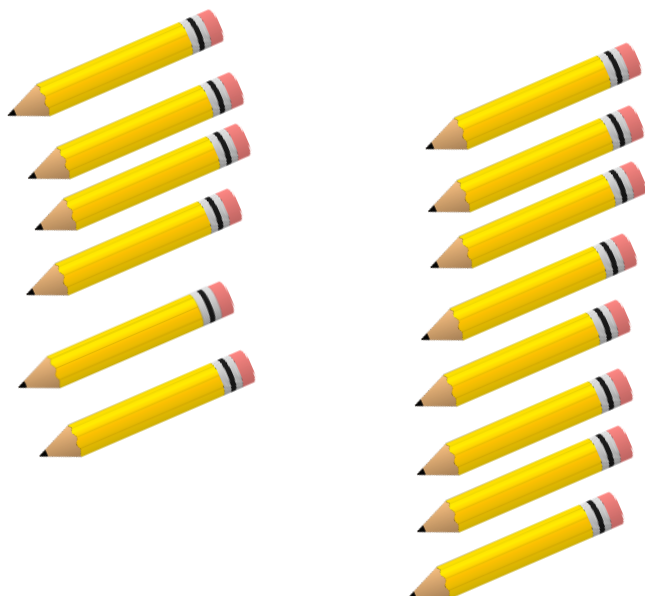
$$13 - \square = 9$$

QUICK FIRE:

Can you solve these addition calculations in 2 minutes?

$10 + 2 =$	$10 + 9 =$	$20 + 4 =$	$30 + 8 =$	$40 + 7 =$
$10 + 3 +$	$10 + 8 =$	$20 + 2 =$	$30 + 1 =$	$40 + 3 =$
$10 + 7 =$	$10 + 5 =$	$20 + 9 =$	$30 + 0 =$	$40 + 6 =$
$3 + 20 =$	$7 + 30 =$	$8 + 40 =$	$50 + 7 =$	$100 + 3 =$

WRITE 2 ADDITION SENTENCES ABOUT THIS PICTURE:



WHAT IS IT WORTH?

What's the Value?

HOT



LI: Can you work out the value of the underlined digit?

45

38

62

50

85

77

67

84

118

100

236

252

253

380

PLACE VALUE:

Place Value Fun...

$12 = 10 + \square$

$16 = 10 + \square$

$12 = 10 + \square$

$10 + \square = 17$

$20 + 4 = \square$

$25 = 20 + \square$

$23 = 3 + \square$

$41 = 40 + \square$

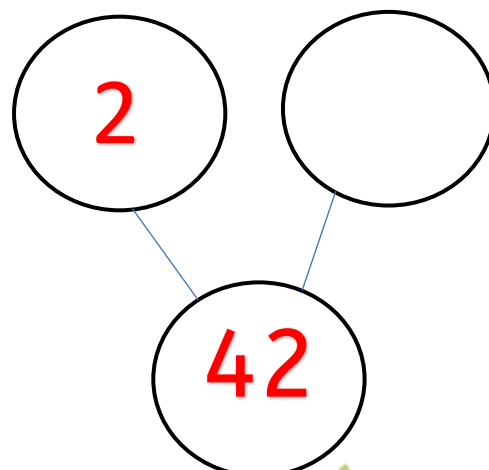
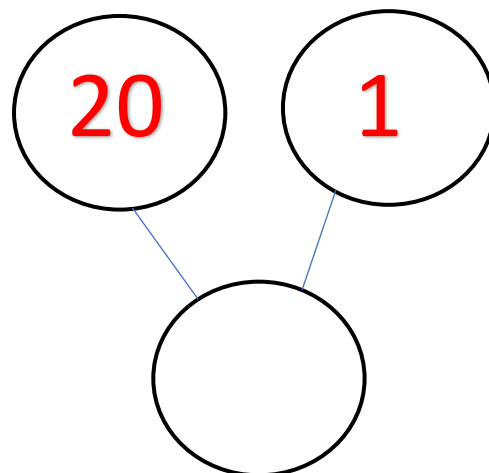
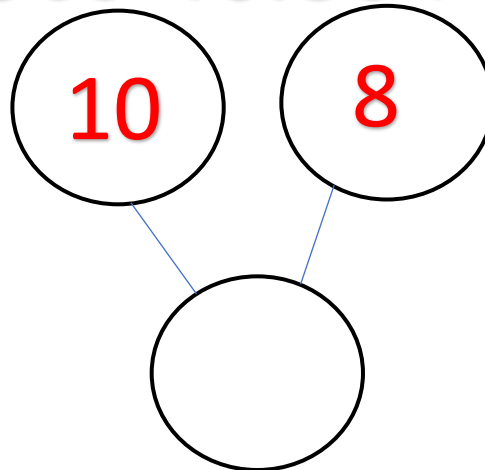
$59 = 50 + \square$

$60 + 6 = \square$

$71 = 1 + \square$

$80 + 7 = \square$

$100 + 50 = \square$



USE YOUR BOND KNOWLEDGE:



$3 + 7 + 1 =$



$6 + 4 + 6 =$

$5 + 5 + 2 =$

$7 + 3 + 7 =$

$6 + 4 + 3 =$

$1 + 0 + 10 =$

$8 + 2 + 2 =$

$2 + 10 + 8 =$

$10 + 0 + 1 =$

$6 + 5 + 4 =$

$9 + 1 + 4 =$

$2 + 5 + 8 =$

$2 + 8 + 5 =$

$10 + 10 + 2 =$

CHALLENGE:



$9 + 10 + 1 =$

$9 + 9 + 1 =$

$15 + 5 + 5 =$

$20 + 7 + 3 =$

$20 + 10 + 0 =$

$17 + 3 + 3 =$

$20 + 80 + 1 =$

ANSWER IT:

A number between 8 and 12 is

A number between 16 and 23 is

A number between 18 and 20 is

A number that has 2 tens is

A number that has 7 ones is

A number with no ones is

ORDERING NUMBERS:

Put these numbers in order – smallest to largest!

12	8	21	7	3	2

Well done! 

18	8	4	82	1	28

 Keep going!

21	12	22	24	27	20

SYMBOLS!

Use the symbols = < >

10	<	2
----	---	---

7		7
---	--	---

13		12
----	--	----

10		12
----	--	----

13		3
----	--	---

14		42
----	--	----

22		24
----	--	----



10		11
----	--	----

15		5
----	--	---

26		26
----	--	----

41		14
----	--	----

12		29
----	--	----

24		27
----	--	----

67		17
----	--	----



Keep going!

WHICH NUMBER?

10

7

21

26

52

18

28

Which number has 5 tens?

Which number is one more than 17?

Which number has 6 ones?

Which number is 1 less than 29?

Which number is 2 lots of 5?

Which number is 2 more than 50?

COUNT IN 2s, 5s & 10s:

How many wings? Count in 2s!



How many pens? Count in 10s!



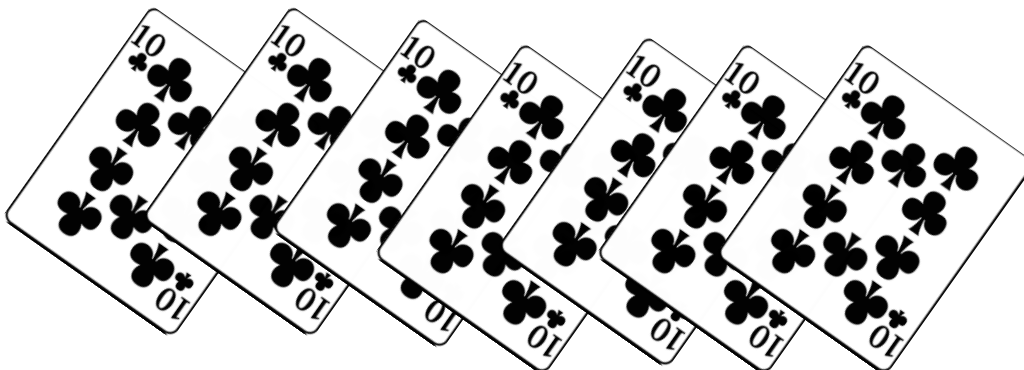
How many fingers and thumbs? Count in 5s!



How many wheels? Count in 2s!



How many points? Count in 10s?



MATCH THE CALCULATIONS THAT HAVE THE SAME ANSWER:

$$8 + 3$$

Double 7

$$5 + 7$$

$$25 - 4$$

$$6 + 8$$

$$10 + 1$$

Double 8

$$21 - 2$$

$$16 + 2$$

$$13 - 1$$

$$10 + 9$$

$$10 + 6$$

$$18 + 3$$

$$11 + 7$$

WORD PROBLEMS: TELL ME HOW!

SOLVE IT...

There are 20 children at a party. They are split into 4 teams. Each team has the same number of children.
How many children are in each team?



SOLVE IT...

There are 105 people on a double decker bus. 6 people get off and 3 people get on. How many people are on the bus now?



MIX UP:

$$7 + 9 + 6 =$$

$$2 \times 8 =$$

$$74 - 4 =$$

$$95 -$$

5

$$50 - 30 =$$

$$16 -$$

= 9

MIX UP:

$$12 \div 2 =$$

$$4 \times 5 =$$

$$74 - 4 =$$

$$95 -$$

5

15

4 = 11

Which operation?

$$10 \times 11 =$$