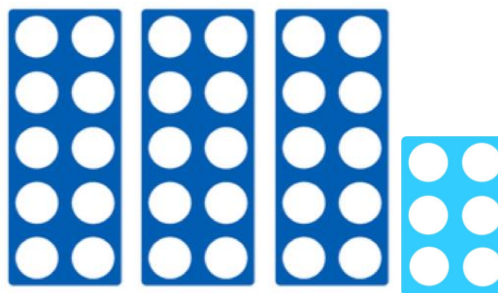
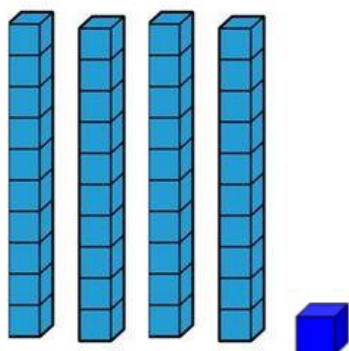
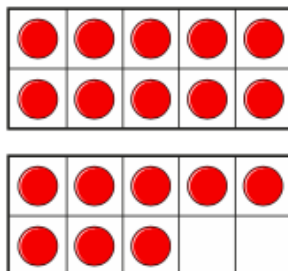
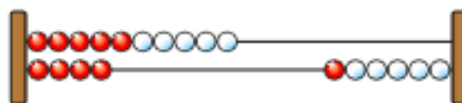


Year 2 Parent Workshop: Place value challenges

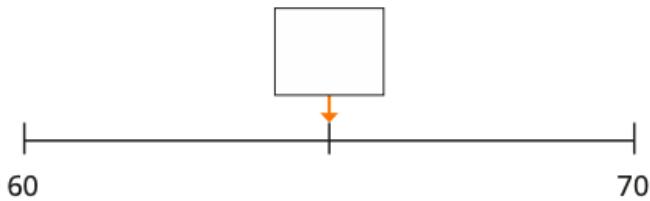
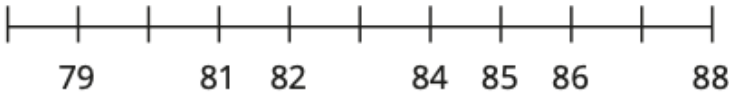
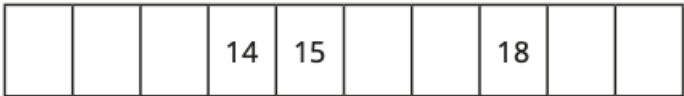
What is the number? Explain how you know.



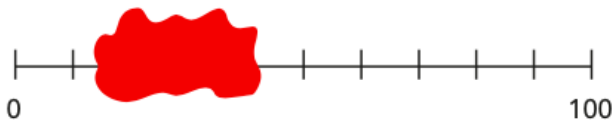
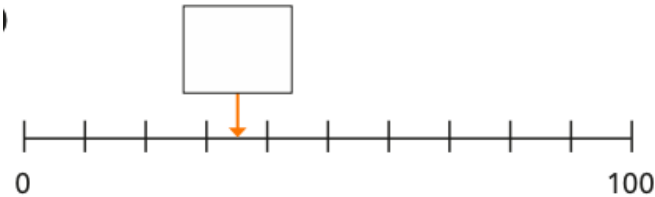
20 **6**



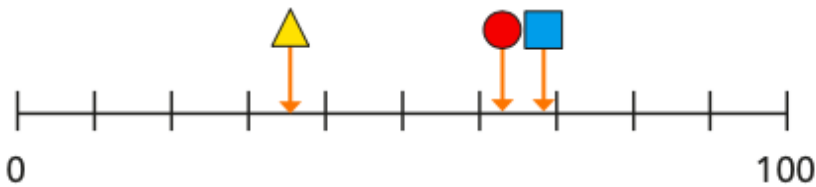
Year 2 Parent Workshop: Counting challenges



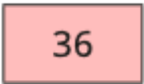
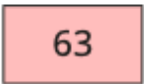
Max labels an odd number on the number line.
He spills some paint over his number.
What could Max's number be?



The shapes show numbers on a number line.



Match the shapes to the numbers.



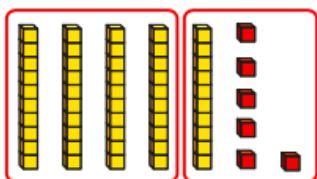
Year 2 Parent Workshop: Place value puzzles

Tens	Ones

There are tens and ones.

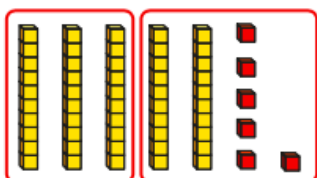
The number is 75

a)



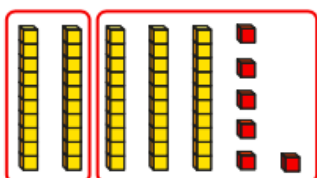
56 can be partitioned into and

b)



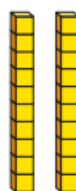
56 can be partitioned into and

c)



56 can be partitioned into and

Tiny uses base 10 to make a number.

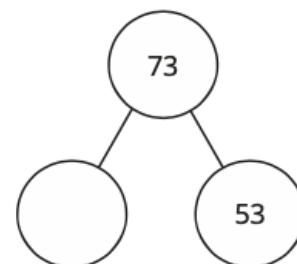
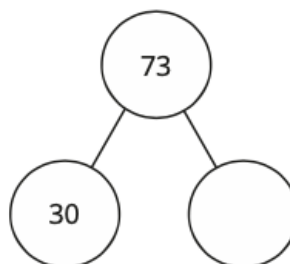
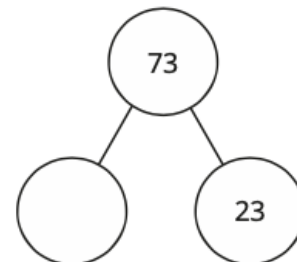
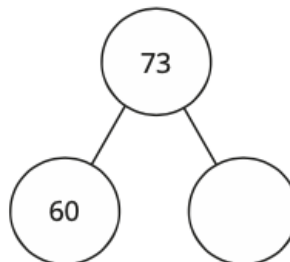
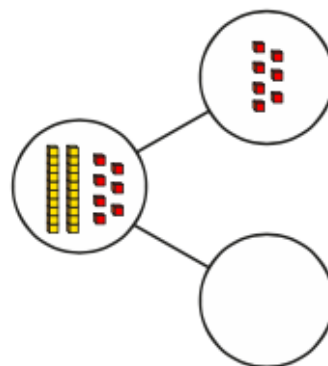


I have made the number two.

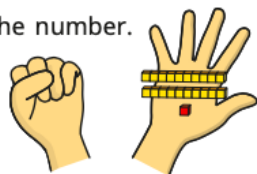


What mistake has Tiny made?

What is Tiny's number?



Jo uses base 10 to make a 2-digit number. She partitions the number.



Jo has three pieces of base 10 in each hand.

What is Jo's number?

Is there more than one answer?

Here are some digit cards.



Use the digit cards to make a 2-digit number.

Make as many different numbers as you can.

Write all the numbers you can find.

Year 2 Parent Workshop: Number bonds challenges

a) $10 = \square + 2$

e) $10 = 5 + \square$

b) $\square + 9 = 10$

f) $\square + 10 = 10$

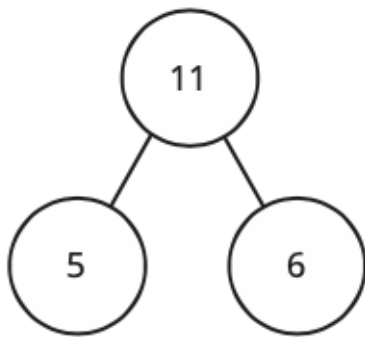
c) $3 + \square = 10$

g) $10 = \square + 4$

d) $10 = \square + 0$

h) $\square + 6 = 10$

3 Complete the number sentences to match the part-whole model.



\square	+	\square	=	\square
\square	-	\square	=	\square
\square	+	\square	=	\square
\square	-	\square	=	\square

Here are some digit cards.

8	5	2	3	0	7
---	---	---	---	---	---

Ben, Ann and Sam pick two cards each.

- Ben's cards are a bond to 10
- Ann's cards are a bond to 5
- Sam's cards have the same total as Ben's.

Which cards does each child have?

Ben	\square	\square
Ann	\square	\square
Sam	\square	\square

$7 + 3 = 10$

$10 = 7 + 3$

$10 - 7 = 3$

$7 - 3 = 10$

$3 - 10 = 7$

$7 = 10 - 3$

Explain any mistakes that have been made.

Year 2 Workshop: Addition and subtraction challenges

Complete the calculations.

a) $14 + 2 = \square$

e) $19 - 2 = \square$

b) $22 + 3 = \square$

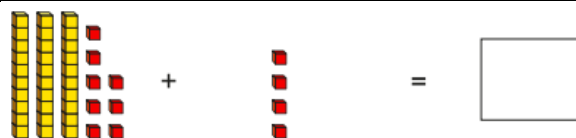
f) $33 + \square = 35$

c) $54 + 4 = \square$

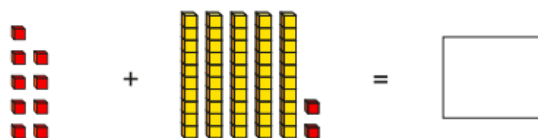
g) $12 = 19 - \square$

d) $\square = 5 + 61$

h) $\square = 89 - 3$



$34 + 5 = \square$



$12 + 23 = \square$



$10 + 19 = \square$

Are the number sentences true or false?

Circle your answer.

a) $17 + 1 = 1 + 17$ **true** **false**

b) $17 - 1 = 1 - 17$ **true** **false**

Ron has 8 stickers.



Jo gives him 9 more stickers.

Ron buys 2 more stickers.

How many stickers does Ron have in total?

How did you work it out?

Tick the addition in each pair that has the greater answer.

a) $5 + 9 + 1$

$7 + 6 + 3$

b) $6 + 8 + 4$

$1 + 9 + 4$

c) $1 + 7 + 3$

$5 + 2 + 3$

Here are some digit cards.



a) What is the greatest total you can make?

$\square + \square + \square = \square$

b) What is the smallest total you can make?

$\square + \square + \square = \square$

Tick the subtraction in each pair with the greater answer.

a) $13 - 6$ $13 - 5$

b) $12 - 4$ $11 - 4$

How did you work this out?

Ben has 16 stickers.

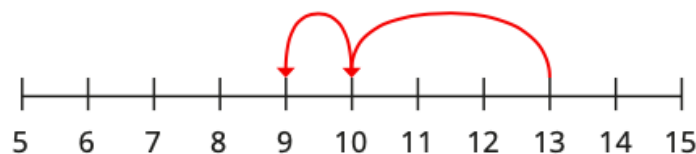


He gives 2 stickers to his brother.

He gives 6 stickers to his sister.

How many stickers does Ben have left?

Kay is using a number line to subtract 4 from 13



a) How has Kay partitioned 4? Why?

b) Complete the number sentence.

$$13 - 4 = \square$$

Work out the missing numbers.

a) $8 + \square + 3 = 13$ c) $\square + 5 + 5 = 15$

b) $4 + 2 + \square = 12$ d) $9 + \square + 1 = 17$

b) $46 - 9 = \square$ f) $64 - 9 = \square$

c) $32 - 8 = \square$ g) $54 - 8 = \square$

d) $32 - 3 = \square$ h) $41 - 3 = \square$

Tiny is working out $13 - 9$



2 and 7 are a number bond to 9. So I am going to take away 7 first and then 2 more.

a) What is a better way to partition 9 for this subtraction?

b) Complete the number sentence.

$$13 - 9 = \square$$



If I know that $4 + 6 = 10$, then I also know that $14 + 6 = 20$ and $24 + 6 = 30$

Write three other addition facts that Max can work out.

Sam wants to find the missing number.

$$56 + \square = 60$$



I know that $55 + 5 = 60$

a) How can Sam use this fact to find the missing number?

Use the digit cards to write a subtraction.



--	--	--

How many different answers can you find?

What is the greatest answer?

What is the smallest answer?

Jo uses base 10 to show some subtractions.

Work out the subtractions.

a) - =

b) - =

c) - =

How did you do it?

Pens are sold in boxes of 10

Ron buys 5 boxes of pens.

He gives 6 pens to Jo.

How many pens does Ron have left?



a) 10 more than 13 is

b) 10 less than 81 is

c) 10 more than is 60

d) 10 less than is 87

10 less	Number	10 more




Mo has these balloons.



How many balloons does Mo have?

He gives one bag of balloons to Ron.

How many balloons does Mo have now?

 = 30  = 10  = 40

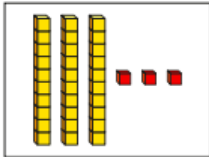
Complete the number sentences.

a)  +  =

b)  -  =

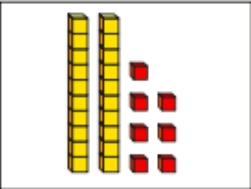
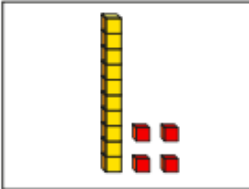
c)  -  =

Draw base 10 to complete the addition.

 + = 76

Complete the number sentence.

+ = 76

 + 



The answer is 311

Use base 10 to work out the additions.

a) $16 + 47 =$ $46 + 17 =$

b) $36 + 57 =$ $56 + 37 =$

c) $76 + 17 =$ $16 + 77 =$

What mistake has Tiny made?

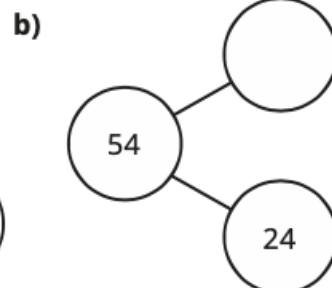
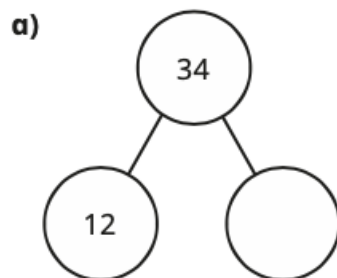
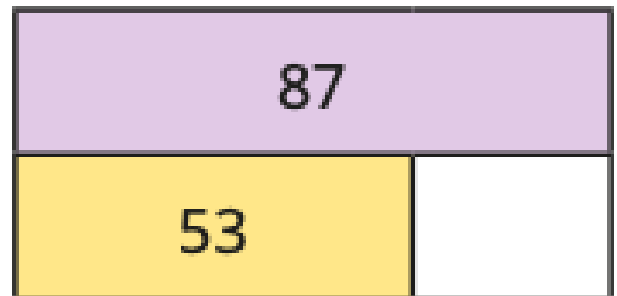
Ron has 42 marbles.



Jo has 23 marbles.



How many marbles are there altogether?



What could the missing digits be?

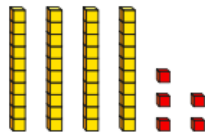
How many different answers can you find?

a) $_9 + _3 = 62$

b) $3_ + 2_ = 62$

c) $3_ + _4 = 62$

The base 10 shows 45



a) Cross out 4 ones.

What number is left now?

b) Now cross out 3 tens.

What number is left now?

c) How much has been taken away altogether?

Complete the number sentence.

$$45 - \boxed{} = \boxed{}$$

Tick the addition in each pair that has the greater answer.

a) $17 + 51$

$15 + 54$

b) $31 + 14$

$42 + 14$

c) $23 + 45$

$13 + 45$

Ron has £43

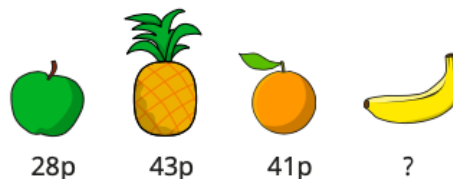
He buys some shoes that cost £26

Jo has £41

She buys a coat.

She has the same amount of money left as Ron.

How much does the coat cost?



The total cost of an apple and a pineapple is the same as the total cost of an orange and a banana.

How much does a banana cost?

Write $<$, $>$ or $=$ to make the statements correct.

a) $20 - 5$ $20 - 6$

b) $17 - 4$ $13 - 4$

c) $11 - 3$ $12 - 4$

Jo is thinking of a number.



11 more than my number is 68

What is Jo's number?

Ron and Mo each have some blue and green counters.

a)



I have 34 counters.
17 of my counters are blue.

How many green counters does Ron have?

