

Can you still...

$$24 + 15 =$$

$$37 - 29 =$$

WALT: Add and subtract

Today we are checking that we recognise the correct operation and checking we recognise when we need to exchange.

I do

$$24 + 22 =$$

$$45 - 11 =$$

$$27 + 48 =$$

$$62 - 27 =$$

You do

$$11 + 9 =$$

$$52 - 26 =$$

$$25 - 4 =$$

$$76 - 40 =$$

$$15 + 18 =$$

$$62 + 18 =$$

$$45 - 28 =$$

$$87 - 22 =$$

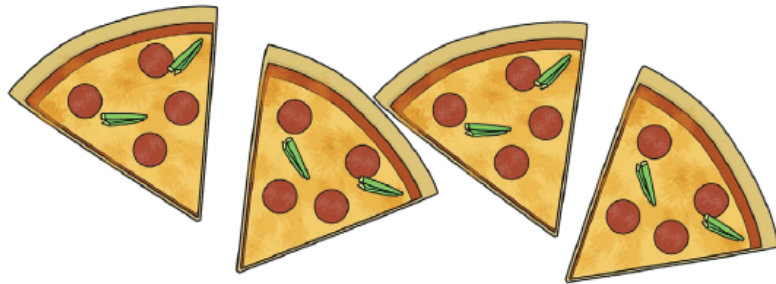
$$33 + 45 =$$

$$34 + 45 =$$

I do

Addition and Subtraction to 100 Word Problems

1. If you have 67 slices of pizza and 15 slices are eaten, how many slices would you have left?



We do

Addition and Subtraction to 100 Word Problems

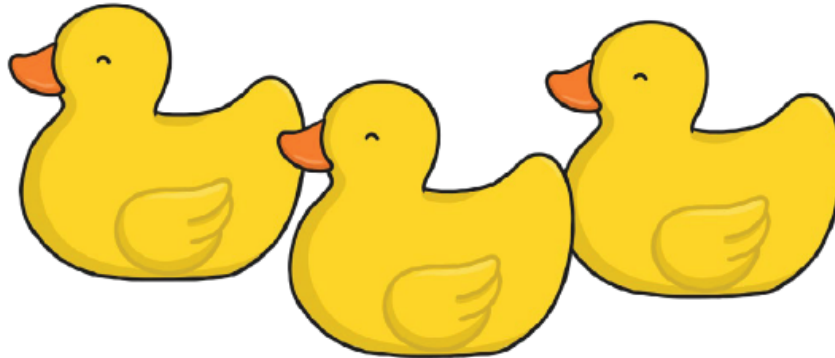
3. If you have 100 flowers and give 34 of them away, how many would you have left?



You do

Addition and Subtraction to 100 Word Problems

2. If you have 72 rubber ducks and are given another 17, how many rubber ducks would you have?

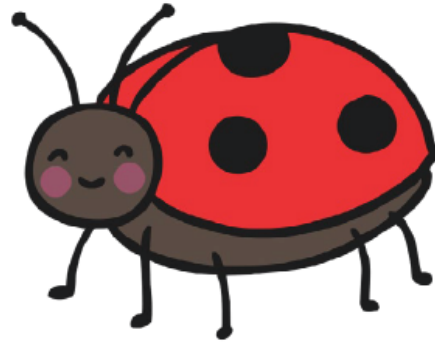


twinkl.com

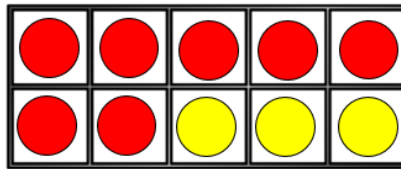
Can you still..

Addition and Subtraction to 100 Word Problems

6. If you count 85 ladybirds in your garden and 21 fly away, how many ladybirds would be left?

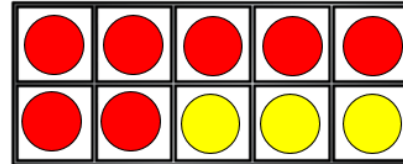
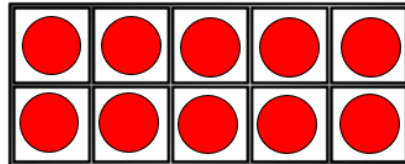


twinkl.com



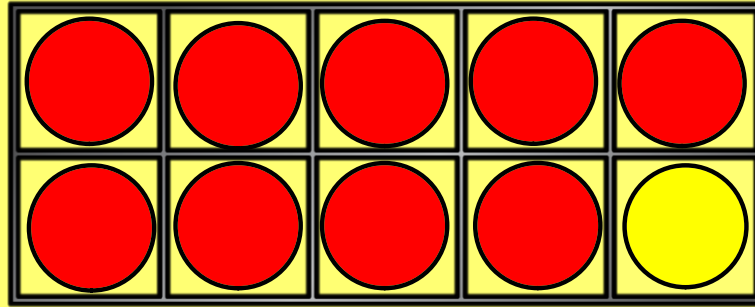
$$7 + 3 = 10$$

Have a think



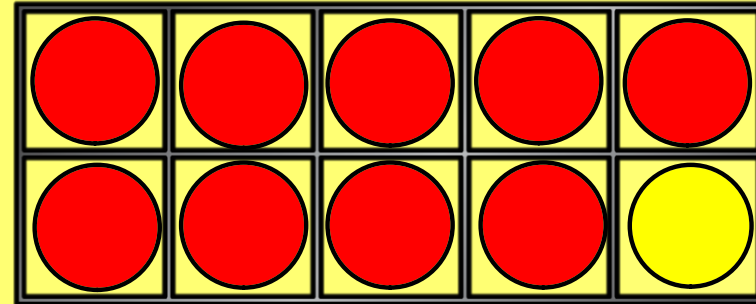
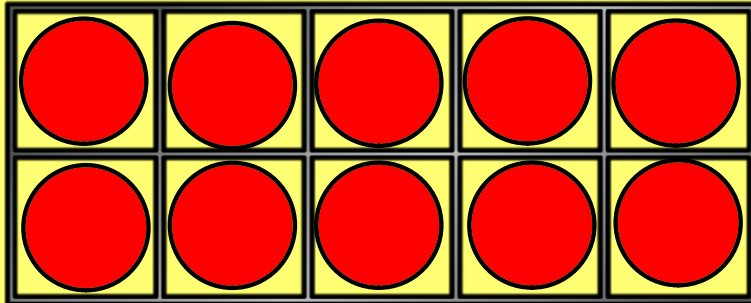
$$17 + 3 = 20$$

I do

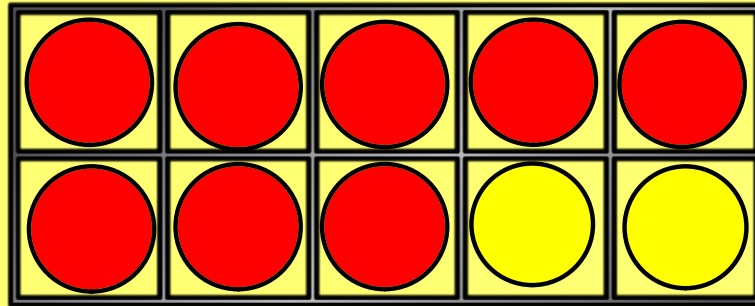


$$9 + 1 = 10$$

$$+ 1 = 20$$

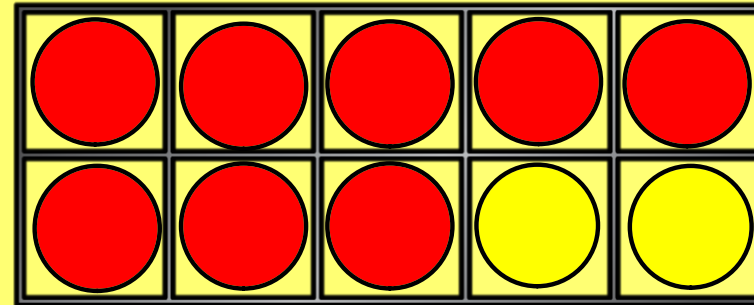
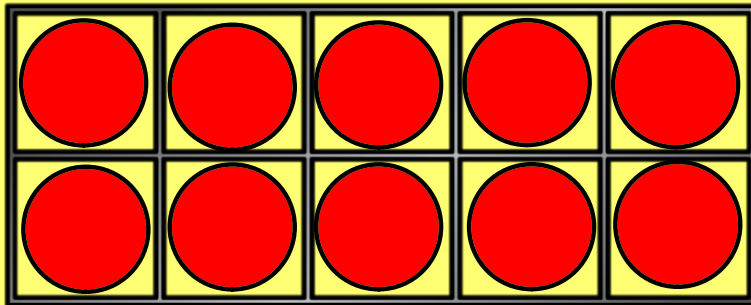


We do

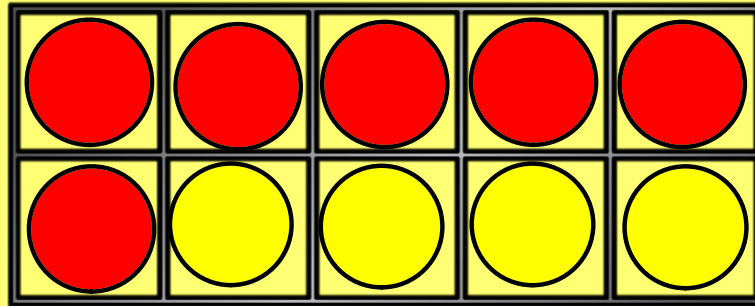


$$8 + 2 = 10$$

$$+ 2 = 20$$

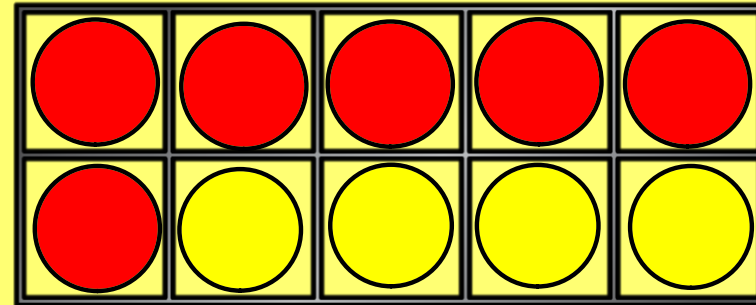
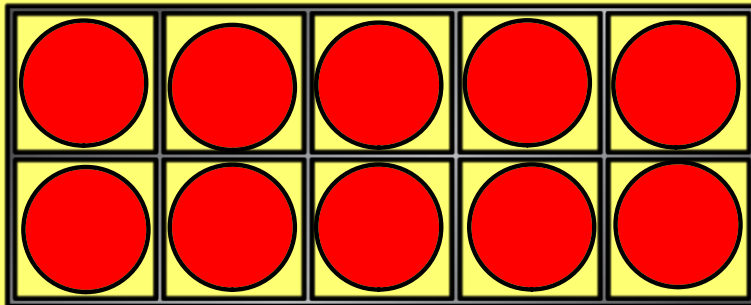


You do



$$6 + 4 = 10$$

$$+ 4 = 20$$



Can we find all the number bonds to 20
using a systematic approach?

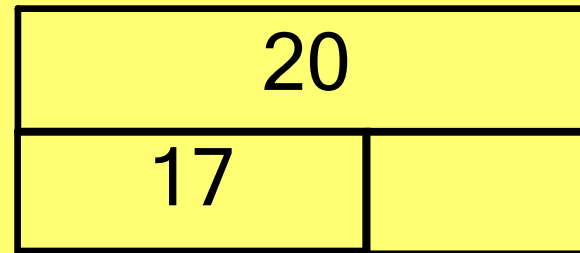
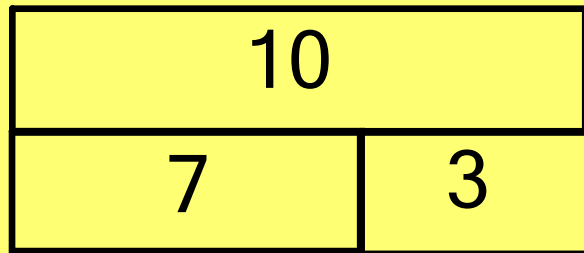
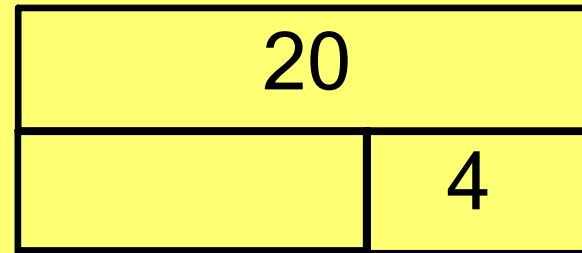
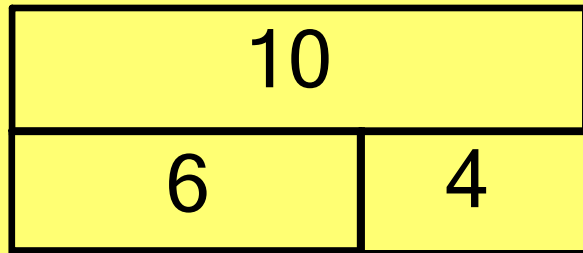
$$3 + 7 =$$

$$13 + 7 =$$

$$10 = \quad + 2$$

$$20 = \quad + 2$$

Complete the bar models





WALT: Find related number bonds



02.11.20

1 Complete the additions to match the ten frames.

a)


 $\square + \square = \square$


 $\square + \square = \square$

b)

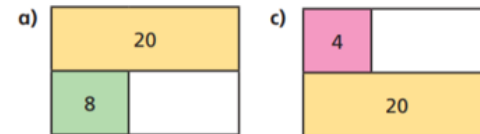

 $\square + \square = \square$


 $\square + \square = \square$

2 Complete the number bonds.

a) $4 + 6 = \square$ c) $10 = \square + 1$
 $4 + 16 = \square$ $20 = \square + 1$

b) $5 + 5 = \square$ d) $10 = 3 + \square$
 $5 + 15 = \square$ $20 = \square + 13$

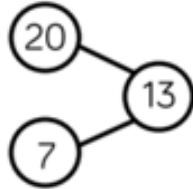
3 Complete the bar models.



Reasoning and problem solving



Jack represents a number bond to 20 in the part whole model.



Can you spot his mistake?

True or false?

There are double the amount of numbers bonds to 20 than there are number bonds to 10

Prove it - can you use a systematic approach?

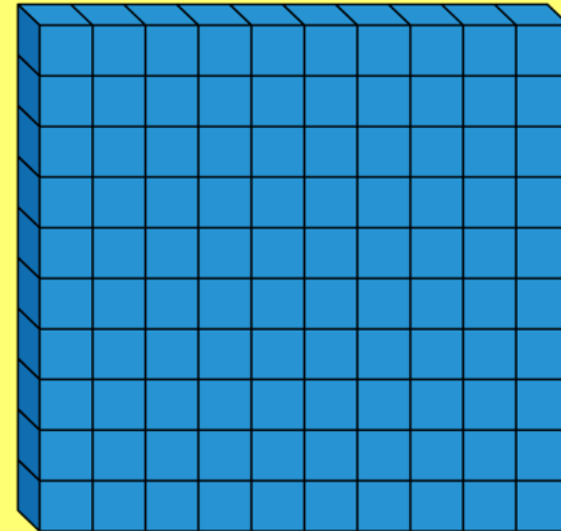
Can you still...

How many number bonds to 20
can you write on your
whiteboard in 60 seconds?

Can you remember the link between
number bonds to ten and number
bonds to 100?

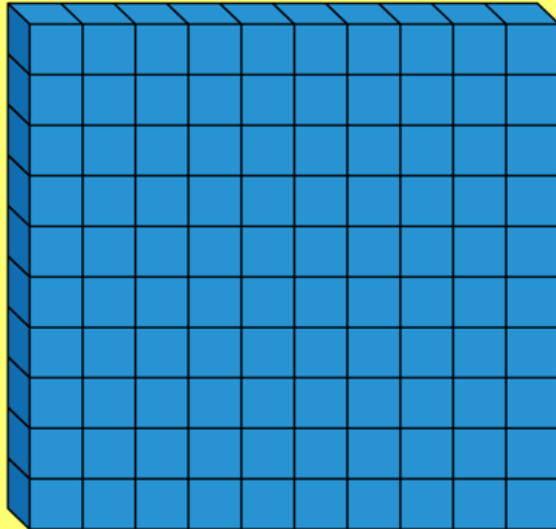
If I know $3 + 7 = 10$

Then $30 + 70 = 100$



I do

If I have 75, how many more do I need to make 100?

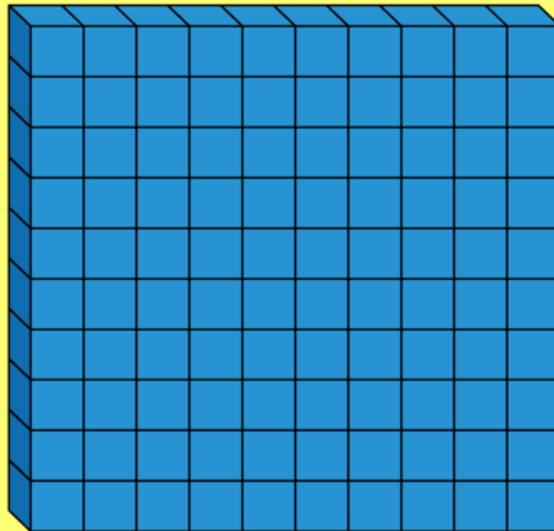


Why is it not 35?

Why might someone think that?

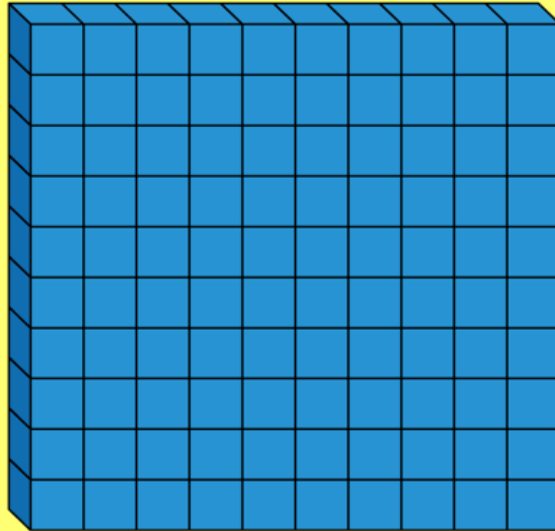
We do

If I have 47, how many more do I need to make 100?



You do

If I have 47, how many more do I need to make 100?



John has completed the missing number sentence.



$$85 + 25 = 100$$

Is John correct?
Explain your answer.

How can we draw this?

I do $21 + \underline{\quad\quad} = 100$

$$34 + \underline{\quad\quad} = 100$$

We do

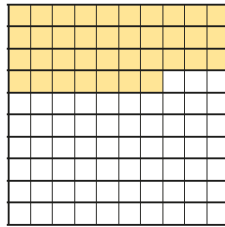
$$\underline{\quad\quad} + 55 = 100$$

You do $\underline{\quad\quad} + 78 = 100$

Bonds to 100 (tens and ones)



1 Here is a hundred square.



How many squares are shaded?

How many squares are not shaded?

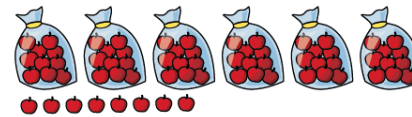
+ = 100

2 Eva has made 100 using base 10. She has spilt paint on it.



Draw the missing pieces of base 10

3 Mrs Harris has these apples for Sports Day.

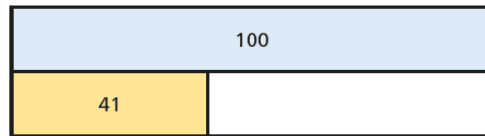


She needs 100 apples.

How many more apples does Mrs Harris need?

© White Rose Maths 2019

4 Complete the bar model.



5 Complete the calculations.

a) $40 + \square = 100$ e) $100 - 50 = \square$

b) $\square + 70 = 100$ f) $100 - 37 = \square$

c) $100 = \square + 72$ g) $\square = 100 - 22$

d) $100 = 28 + \square$ h) $8 = 100 - \square$

6 A coat costs £100

Mr Farmer has £58

How much more money does Mr Farmer need to buy the coat?

7 Whitney is working out $38 + \square = 100$



The missing number is 72 because I need 2 more ones and 7 more tens.

Do you agree with Whitney? _____

Explain your answer.

Talk about it with a partner.

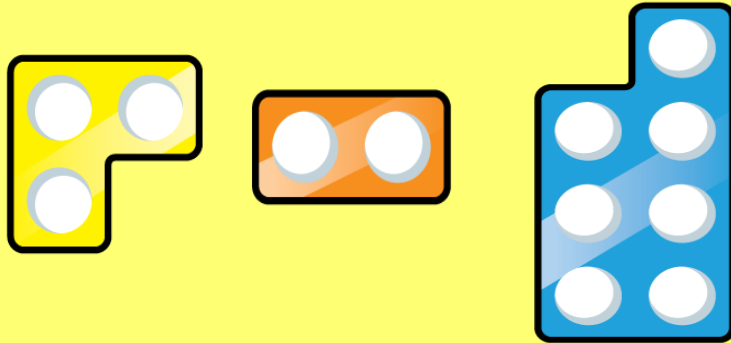
$$3 + 2 + 7 =$$

Can we add these in any order?

Why?

Can changing the order make the numbers easier to add?

$$3 + 2 + 7 =$$



On whiteboards:

$$4 + 8 + 6 =$$

Q: Why are we allowed to change the order of the numbers?

Q: Which two numbers did you add first? Why?

Q: What if you added a different two numbers first, would your answer be the same?

Fluency:

$$2 + 3 + 5 =$$

$$5 + 3 + 5 =$$


$$4 + 6 + 7 =$$

$$7 + 9 + 3 =$$

$$2 + 4 + 8 =$$


Match each addition to the correct answer.

6 + 3 + 5



13

8 + 3 + 2



14

Varied fluency:

5a. Match each addition to the correct answer.

5 + 4 + 5

13

6 + 3 + 4

14



VF

8b. Tick the correct calculations.

A. $9 + 0 + 8 = 17$

B. $7 + 7 + 6 = 20$

C. $7 + 6 + 6 = 18$



VF

Use < > or = to compare the number sentences.

$5 + 4 + 6$ ○ $6 + 5 + 4$

$7 + 3 + 8$ ○ $7 + 7 + 3$

$9 + 2 + 5$ ○ $8 + 3 + 5$

$8 + 4 + 2$ ○ $2 + 5 + 8$

Reasoning and problem solving

Which numbers would you add together first in the following number sentences?
Why would you add those first?

$$3 + 5 + 7 =$$

$$8 + 2 + 6 =$$

$$4 + 3 + 4 =$$

Find the totals of each row and column.

5	4	2	<input type="text"/>
3	7	8	<input type="text"/>
5	7	3	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	

Dive deeper

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?

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

