Can you work out what the Function Machines do?

Jacob

IN	OUT
54	20
68	34
100	66
75	41
41	7

Amreen

IN	OUT
93	80
82	68
55	43
32	20
16	4

Noah

IN	OUT
17	2
24	4
22	7
40	25
30	15

Jake

IN	OUT
70	40
60	30
99	69
100	70
80	50

FUNCTION − 30
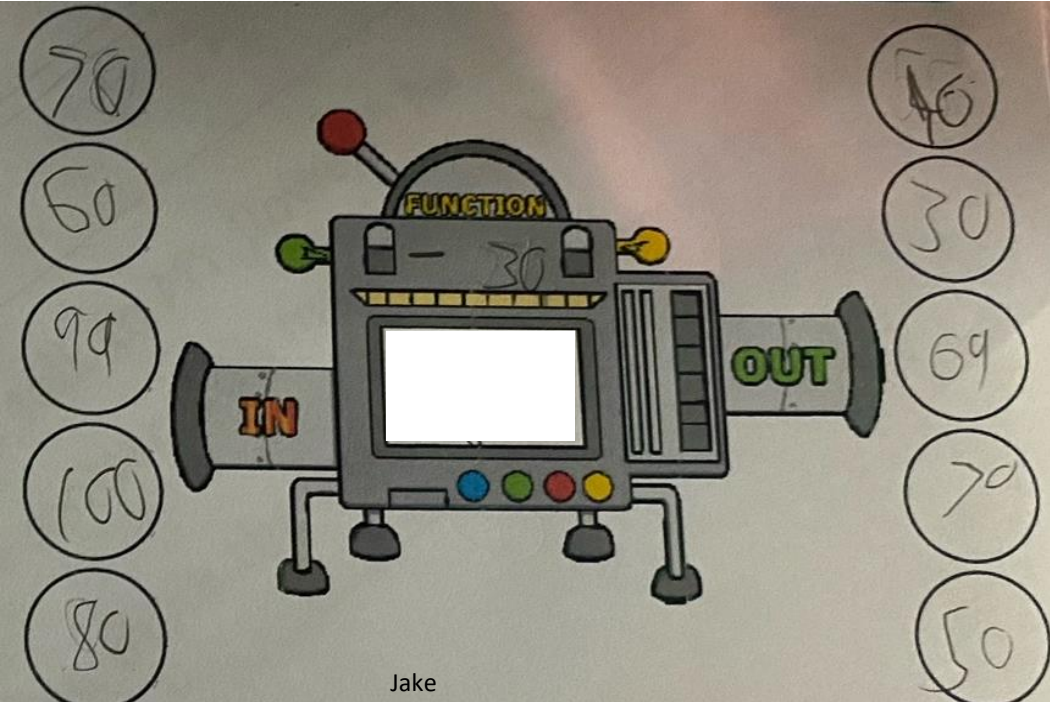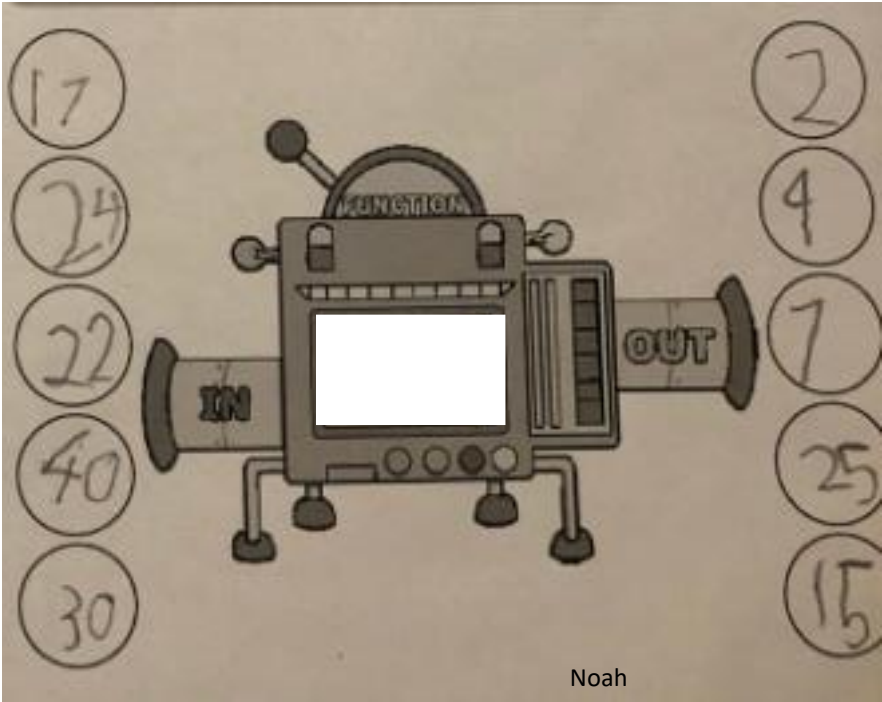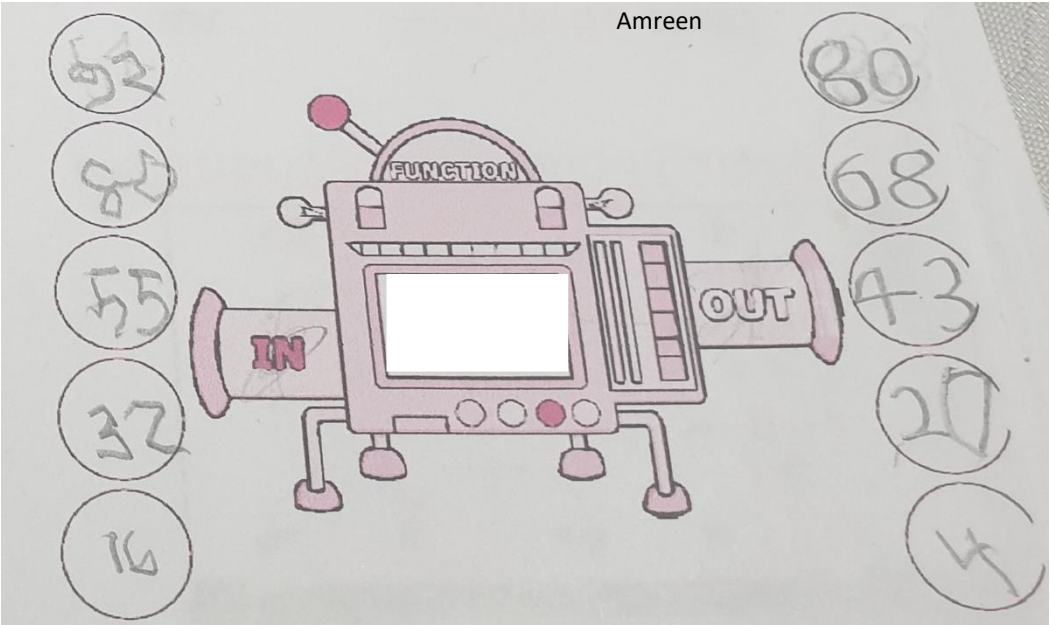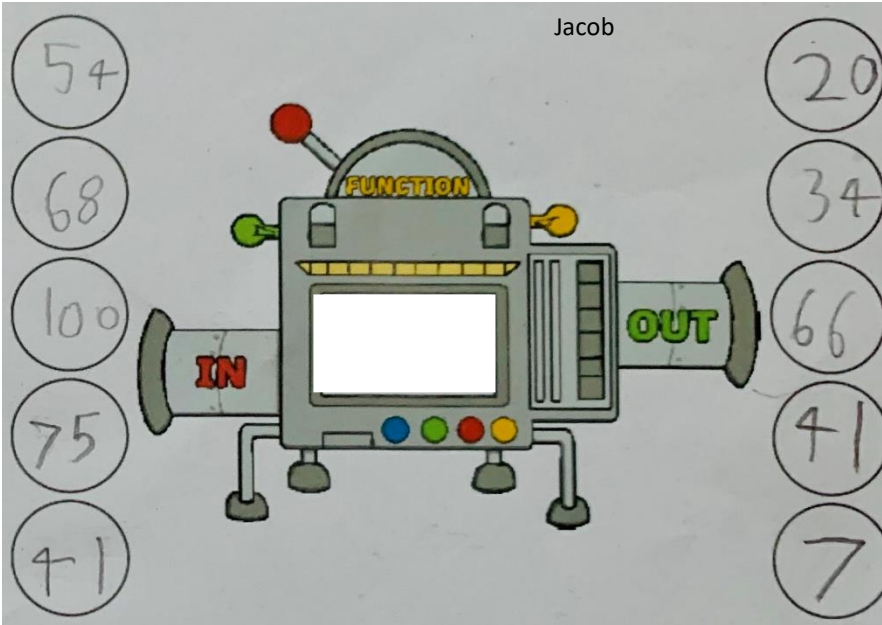
Maths
Monday 25th January

Bonds to 100 (Tens and ones)

https://vimeo.com/470138599
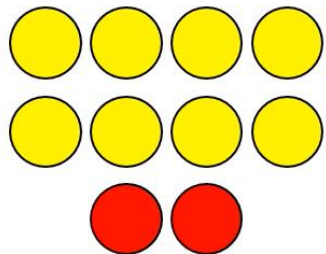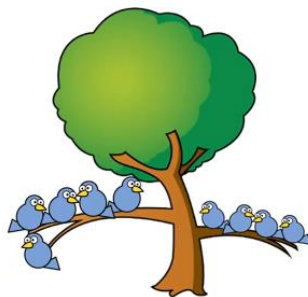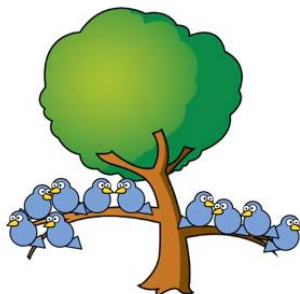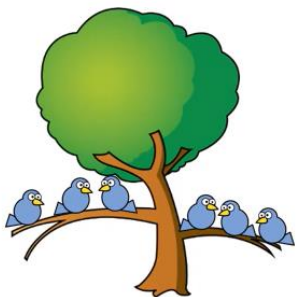
Watch this video and answer the questions on the next pages.
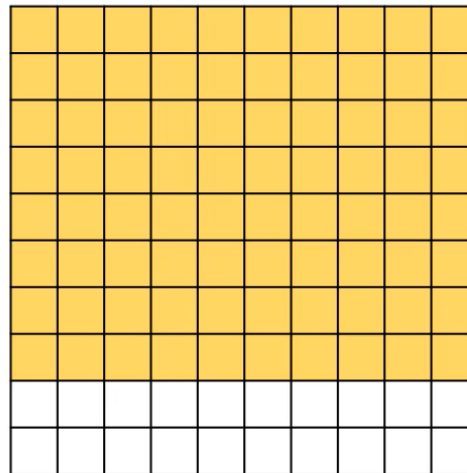
Before you start have a go at these Get Ready Questions. Check your answers on the video.

Which of these represent a bond to 10?

1.

☐ + ☐ = ☐   ☐ + ☐ = ☐

2.

0 10 20 30 40 50   **100**   50 60 70 80 90 100
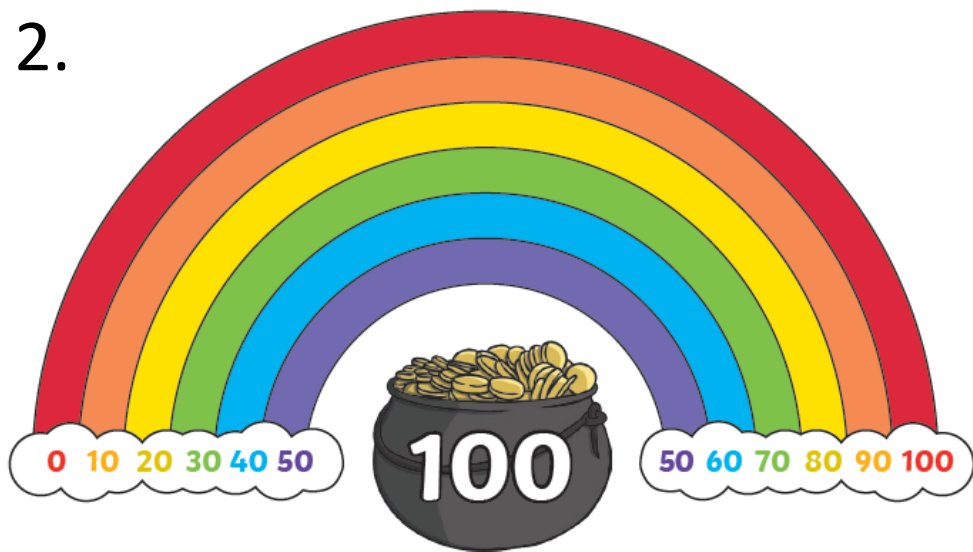
__0__ + ___ = __100__

__10__ + __90__ = __100__

___ + ___ = ___

__30__ + ___ = __100__

___ + ___ = ___

___ + ___ = ___

___ + ___ = ___

___ + ___ = ___

__60__ + ___ = __100__

__50__ + ___ = __100__

3.

41 + _____ = 100
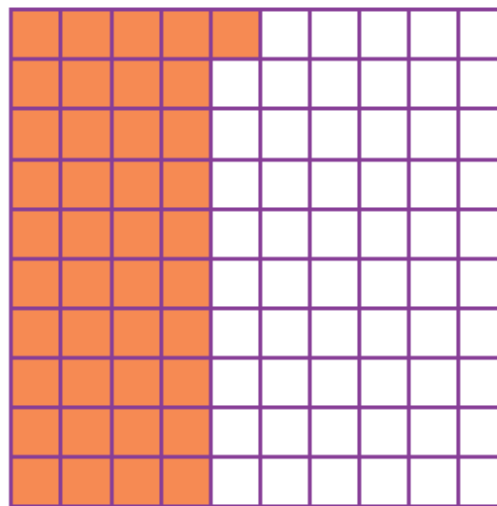
_____ + 25 = 100
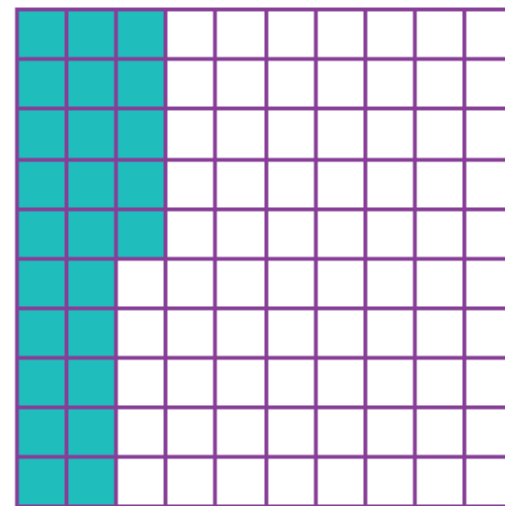
100 – 56 = _____
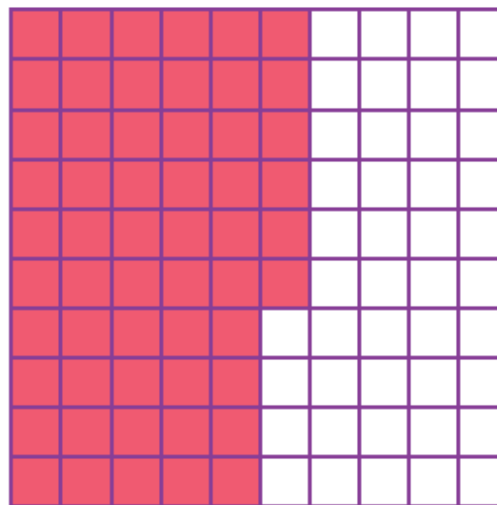
100 – _____ = 92
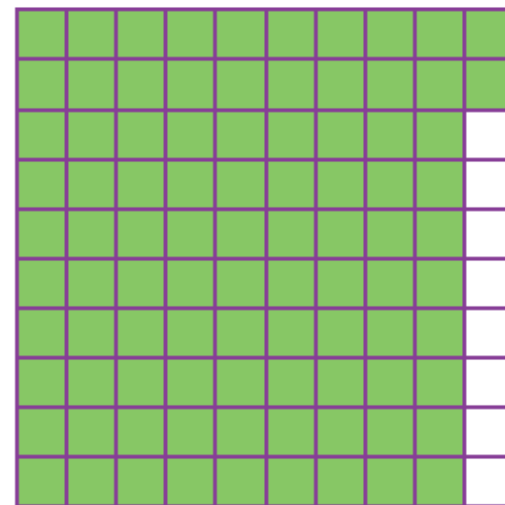
4.

How many more do we need to make 100?

Draw 10s and 1s to help you.

$66 + \boxed{} = 100$

$\boxed{} + \boxed{} = 100$
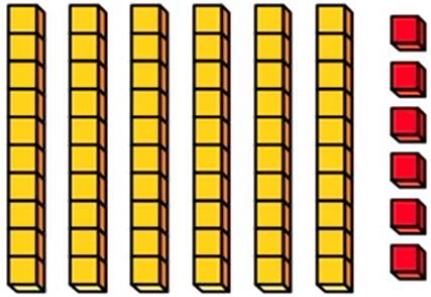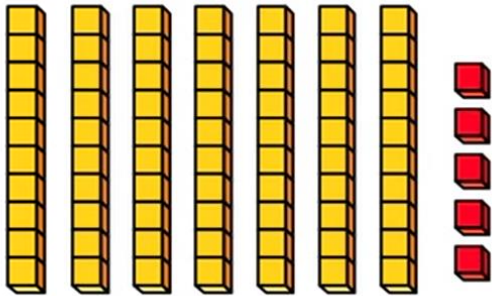
$70 + \boxed{} = 100$

$99 + \boxed{} = 100$

$92 + \boxed{} = 100$

$80 + \boxed{} = 100$

$85 + \boxed{} = 100$

Red

Sam and Ameena are trying to work out the missing number. Who do you agree with? Explain why.

$$34 + \boxed{} = 100$$

The missing number is 76

Sam

The missing number is 66

Ameena

Complete this number bond to 100 using the digits 1 to 9.

$$\boxed{}\boxed{} + \boxed{}9 = 100$$

How many different ways can you find?

What patterns can you spot?

Explain the patterns.

Maths - Tuesday 26th January

https://vimeo.com/502178365

Before you start have a go at these Get Ready Questions. Check your answers on the video.
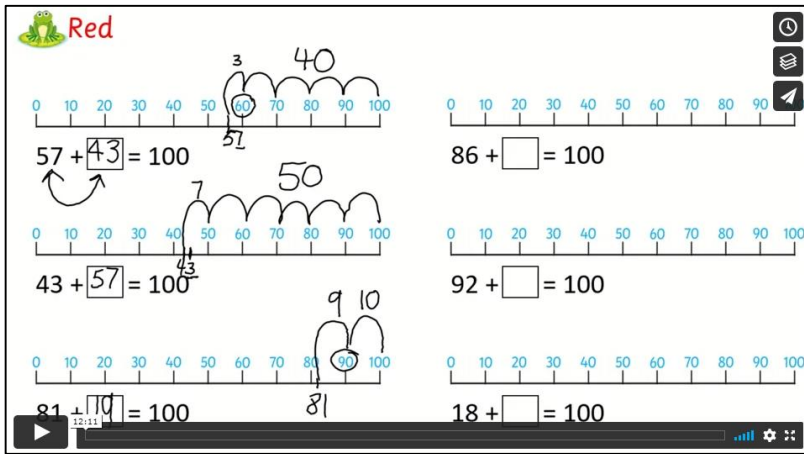
Use bonds to 10 to help you find bonds to 100

Green

0 10 20 30 40 50 60 70 80 90 100

50 + ☐ = 100

0 10 20 30 40 50 60 70 80 90 100

30 + ☐ = 100

0 10 20 30 40 50 60 70 80 90 100

20 + ☐ = 100

0 10 20 30 40 50 60 70 80 90 100

40 + ☐ = 100

Orange

0 10 20 30 40 50 60 70 80 90 100

45 + ☐ = 100

0 10 20 30 40 50 60 70 80 90 100

85 + ☐ = 100

0 10 20 30 40 50 60 70 80 90 100

35 + ☐ = 100

0 10 20 30 40 50 60 70 80 90 100

95 + ☐ = 100

0 10 20 30 40 50 60 70 80 90 100

65 + ☐ = 100

0 10 20 30 40 50 60 70 80 90 100

15 + ☐ = 100

0 10 20 30 40 50 60 70 80 90 100

47 + ☐ = 100

0 10 20 30 40 50 60 70 80 90 100

86 + ☐ = 100

0 10 20 30 40 50 60 70 80 90 100

33 + ☐ = 100

0 10 20 30 40 50 60 70 80 90 100

92 + ☐ = 100

0 10 20 30 40 50 60 70 80 90 100

61 + ☐ = 100

0 10 20 30 40 50 60 70 80 90 100

18 + ☐ = 100

Dark Red

0   50   100

42 + ☐ = 100

0   100

71 + ☐ = 100

0   100

38 + ☐ = 100

0   100

29 + ☐ = 100

0   100

65 + ☐ = 100

0   100

58 + ☐ = 100

Maths
Wednesday 27th January

Add three 1-digit numbers
https://vimeo.com/470178269

Watch this video and answer the questions on the next pages.

Before you start have a go at these Get Ready Questions. Check your answers on the video.

GET READY

1)

$5 + 6 = \boxed{}$ $5 + 5 + 1 = \boxed{}$

$5 + 7 = \boxed{}$

2)

$6 + 6 = \boxed{}$ $6 + 1 + 6 = \boxed{}$

$6 + 8 = \boxed{}$

3) Add the doubles

$9 + 9 = \boxed{}$ $8 + 8 = \boxed{}$

1.

Add each set of three numbers, putting a ring around the number bonds to 10 to speed up your working.

$2 + 3 + 7 =$ ☐

$4 + 6 + 2 =$ ☐

$5 + 8 + 5 =$ ☐

$8 + 4 + 2 =$ ☐

$5 + 9 + 1 =$ ☐

$7 + 3 + 9 =$ ☐

$1 + 1 + 9 =$ ☐

$6 + 6 + 4 =$ ☐

$7 + 2 + 8 =$ ☐

2.

$5 + 5 + \boxed{} = 14$

$6 + 3 + \boxed{} = 13$

$7 + 3 + \boxed{} = 19$

3. *Add the doubles first.*

$7 + 8 + 8 =$

$9 + 2 + 9 =$

$6 + 6 + 5 =$

$7 + 2 + 7 =$

4. Red

Which 3 numbers add to 15?	Which 3 numbers add to 20?
4 5 7 6 1	6 5 9 2 6
____ + ____ + ____ = 15	____ + ____ + ____ = 20
Which 3 numbers add to 18?	Which 3 numbers add to 7?
9 1 4 5 8	4 6 2 3 1
____ + ____ + ____ = 18	____ + ____ + ____ = 7
Which 3 numbers add to 16?	Which 3 numbers add to 13?
3 7 8 1 2	3 5 7 9 5
____ + ____ + ____ = 16	____ + ____ + ____ = 13
Which 3 numbers add to 20?	Which 3 numbers add to 11?
8 4 5 6 8	3 4 2 5 1
____ + ____ + ____ = 20	____ + ____ + ____ = 11

Try solving these by making 10 first.

$5 + 6 + 2 =$

5 1

$9 + 4 + 1 =$

$7 + 8 + 2 =$

$8 + 3 + 1 =$

Put the correct sign (<, > or =) between these numbers.
Remember – the crocodile always eats the bigger number!

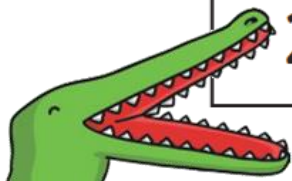| 12 | ☐ | 35 |
43	☐	27
36	☐	41
28	☐	92
46	☐	32
88	☐	56
22	☐	22

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

a) 5 + 9 + 1 ◯ 7 + 5 + 3

b) 6 + 8 + 3 ◯ 2 + 9 + 4

c) 1 + 7 + 5 ◯ 3 + 4 + 5

d) 8 + 9 + 1 ◯ 1 + 8 + 9

Maths
Thursday 28ᵗʰ January

Today's tasks are set for you on Mathletics.

Most of you will already know your Mathletics logins.

Please contact the school office if you need to be resent your password.

admin@fleet.Camden.sch.uk

Green

Look for bonds and doubles.
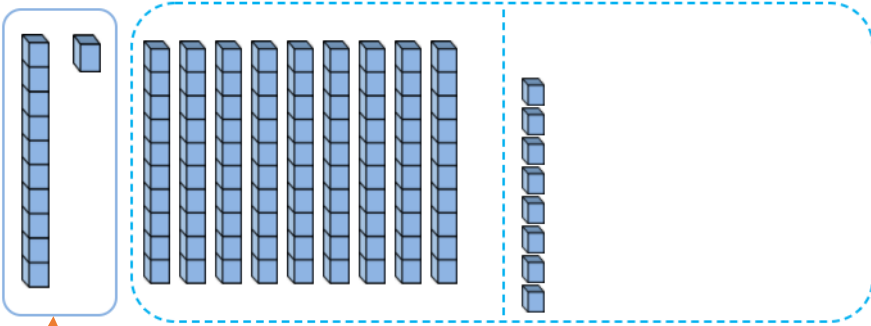
Add 3 Numbers Using Bonds to 10

Add.

4 + 5 + 6 = [ ]

Hint:
Move the numbers around to find easy additions.

Orange

Red

Adding to 2-digit numbers

🔊 58 + 40 = [green box]

Show your answer.

Press on the 10s and 1s to help you.

Use jumping to Lily pad numbers to help you.

Missing Numbers
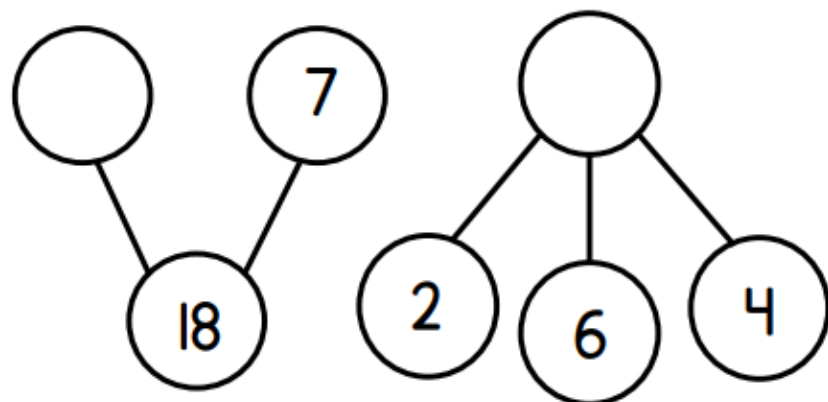
🔊 Find △ so that:

$11 - △ = 8$

$△ =$ [green box]

Maths
Friday 29th January

First, have a go at answering the questions.
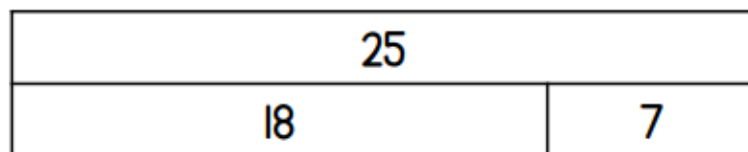
Then, watch the video to check your answers.

1 Complete the part-whole models.

7
18

2   6   4

2 marks

2 Use the bar model to complete the number sentences.

25	
18	7

$7 + \boxed{} = 25$ $\boxed{} - \boxed{} = 18$

2 marks

3 Complete the missing boxes.

10 less	Number	10 more
	fifteen	twenty-five

$\boxed{}$

2 marks

4 Jack makes this number.
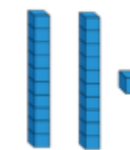
Meg makes this number.

What is the total of their numbers?

_____

$\boxed{}$

1 mark

5 Amir is working out $55 - 8 =$

He uses a number line.

-5

45 46 47 48 49 50 51 52 53 54 55
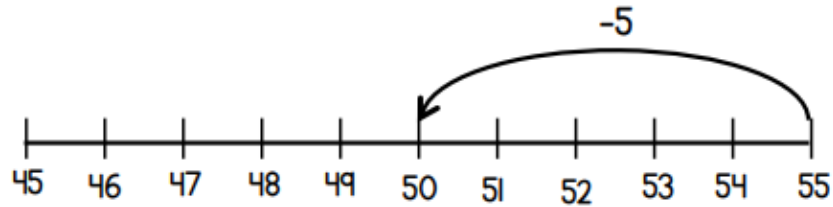
Complete Amir's method.

6 Circle **two** numbers which total 100

35   45   55   65   75

7 Dan has 28 grapes.
He eats 12 grapes.
How many grapes are left?

_____

8 Here are three digit cards.

4   6   7

Use the cards to find two different ways to complete the number sentence.

☐ + ☐☐ = 53

☐ + ☐☐ = 53
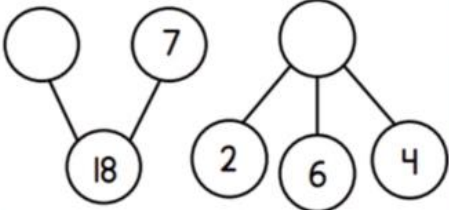
Circle how confident you feel with addition & subtraction.

| 1 | 2 | 3 | 4 | 5 |

Not confident   Very confident

Now watch the video and check your answers.

https://vimeo.com/502153401