FRIDAY

Today we are learning to compare numbers.

Your star words are:
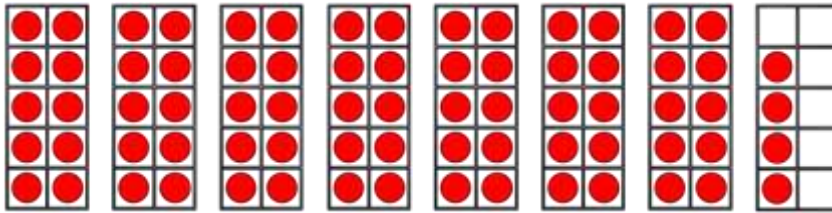
less than
greater than
equal to

Warm your maths' brain up with these quick-fire questions.

Name the 3D shape and describe the properties.

1)   74 has _____ full tens and _____ ones.

2)   Draw a △ **between two** ◯◯

3)   Which shape is split into quarters?

    a   b   c

4)   Subtract 3 from 11

Today we are comparing numbers using different representations. If you cannot print out the slide, ask an adult to draw a tens frame for you.

Compare number sentences

I Draw counters to show each addition.
Use two different colours.

a)

9 + 3

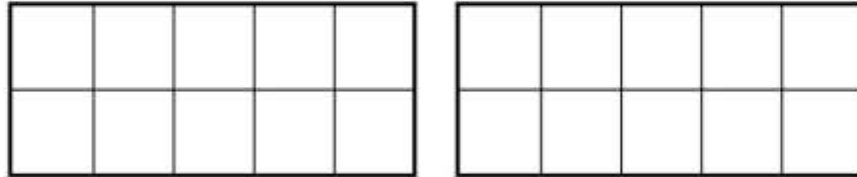Did you notice that 3 is made up of 1 and 2? Did you use the 1 to complete the tens frame?

b)

6 + 7

Did you notice that 7 is made up of 4 and 3? Did you use the 4 to complete the tens frame?

Did you notice that 11 is made up of 10 and 1?

1 **c)**

$11 + 2$

d) Write the missing phrase.

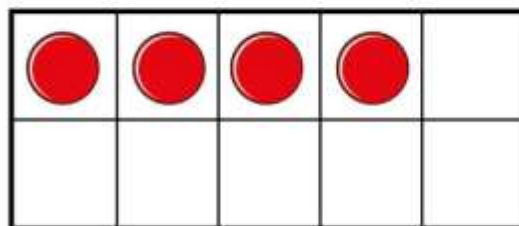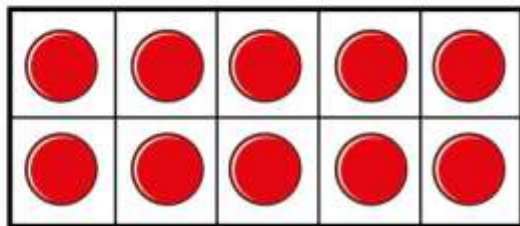(less than) (greater than) (equal to)

$9 + 3$ is _____ $6 + 7$
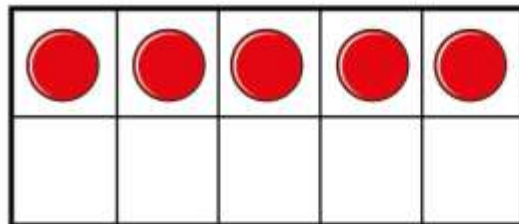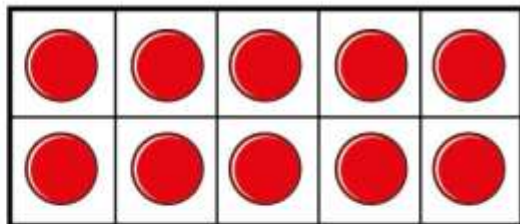
$11 + 2$ is _____ $9 + 3$

$6 + 7$ is _____ $11 + 2$

2 Cross out counters to show each subtraction.

14 – 5

15 – 6

2 Write the missing phrase.

less than   greater than   equal to

14 − 5 _____ 15 − 6

Make sure you use complete sentences to explain your answer.

Make sure you use complete sentences to explain your answer.

3 Write <, > or = to compare the number sentences.

a) $12 + 3$ ◯ $12 - 3$

b) $17 - 4$ ◯ $17 - 6$

c) $13 + 6$ ◯ $6 + 13$

d) $14 - 4$ ◯ $1 + 0$

Did you have to work them all out?

4 Complete the number sentence.

$$\boxed{} + \boxed{} = \boxed{} - \boxed{}$$

How many ways can you complete the number sentence?

Use your maths' reasoning to work the problem out. We would love to see your work. Ask a parent to email us with a photo of your brilliant problem solving.
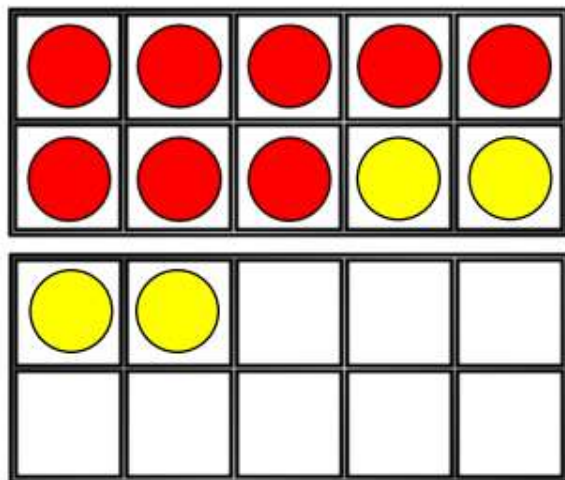
$$8 + 4 > 3 + 8$$

Is this true or false?
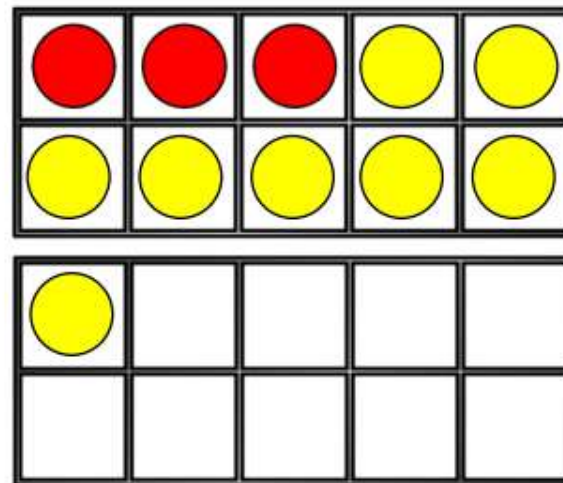Can you convince me? Use your maths' reasoning and vocabulary to justify your answer.
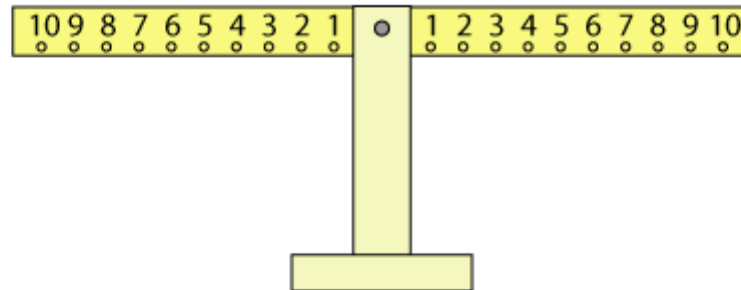Look at the next slide to check your answer.

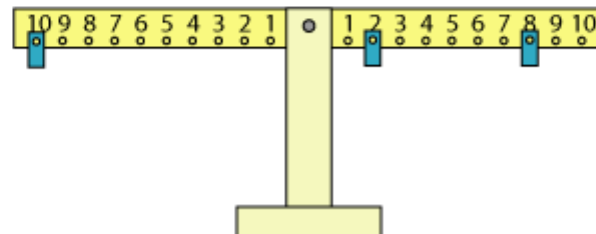# True

$$8 + 4 \quad > \quad 3 + 8$$
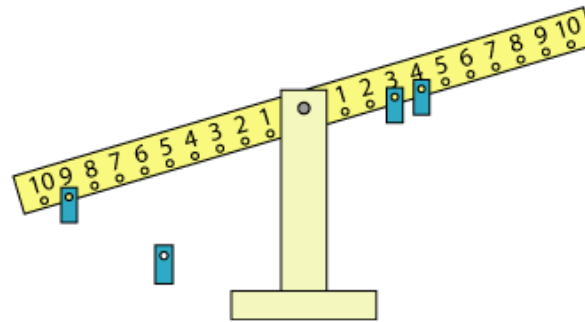
Challenge

This is a number balance.

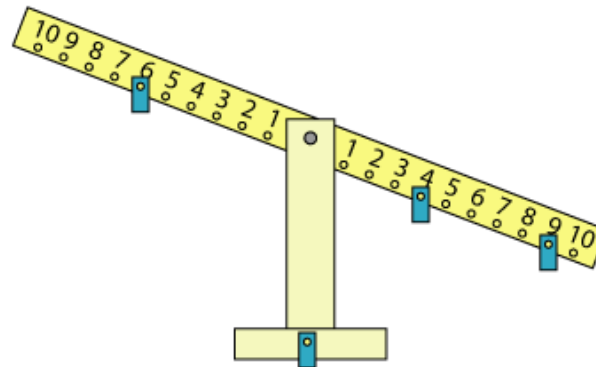It is also called a 'balance bar' or an 'equaliser'. It has weights:

These are hung below the numbers. It balances equal numbers, for example like this:
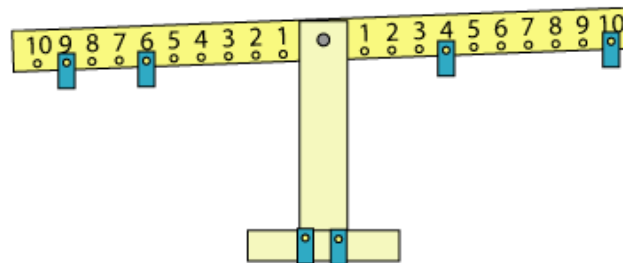
Where would you need to hang the weight to make the one below balance?

What about this one?

If you had to use two weights and make the one below balance, where could you put them?

How many different ways can you make it balance with two weights?

Check the next slide for possible solutions.

On the first question you would need to put a weight on number 2 on the right side.

On the second question you would need to put a weight on number 7 on the left side.

On the third question there are several answers:

You could put one weight on 1 on the left side and the other on 2 on the right side.

Or

You could put a weight on point 6 on the right and point 5 on the left.

There are 9 solutions to this problem. The weights could go anywhere where the weight on the right is 1 more than the weight on the left.