

Year 2

Additive Fluency 2 – Numbers within 20

Week 4

Understanding Number 18

Number of the week... 18!

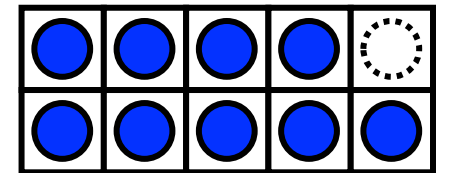
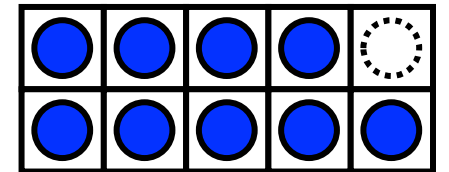
Notes for teachers in school or at home:

- This week is about learning the number 18 really well.
- Understand how 18 relates to 20.
- Know that 18 is double 9. This is the only way to make 18 by adding two single digits.
- Know number bonds to 8 and number bonds to 18. For example,

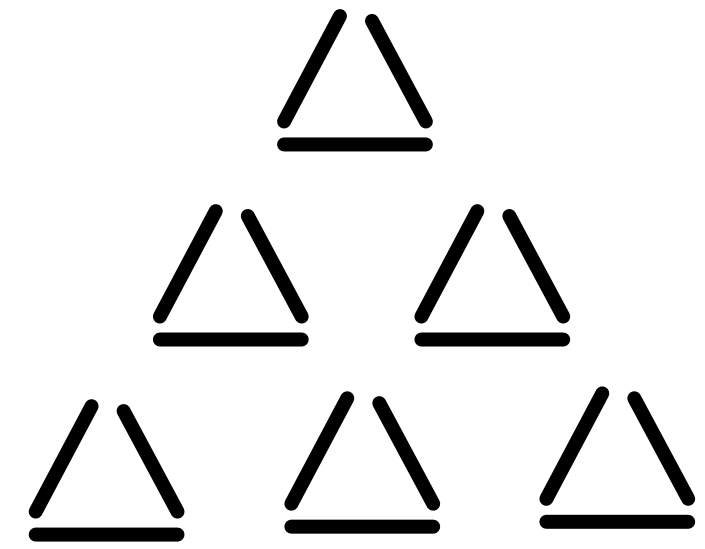
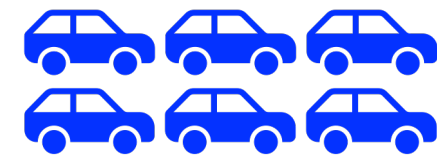
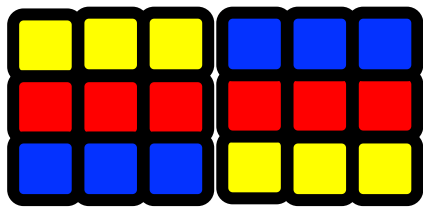
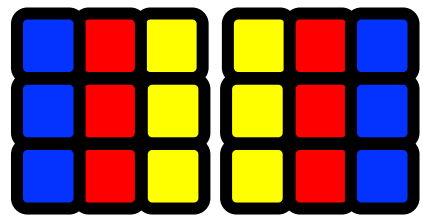
$$8 = 2 + 6 \dots$$

$$18 = 12 + 6,$$

$$18 = 2 + 16.$$



Patterns



Make colourful patterns from two nines.

Make or draw different patterns for 18.

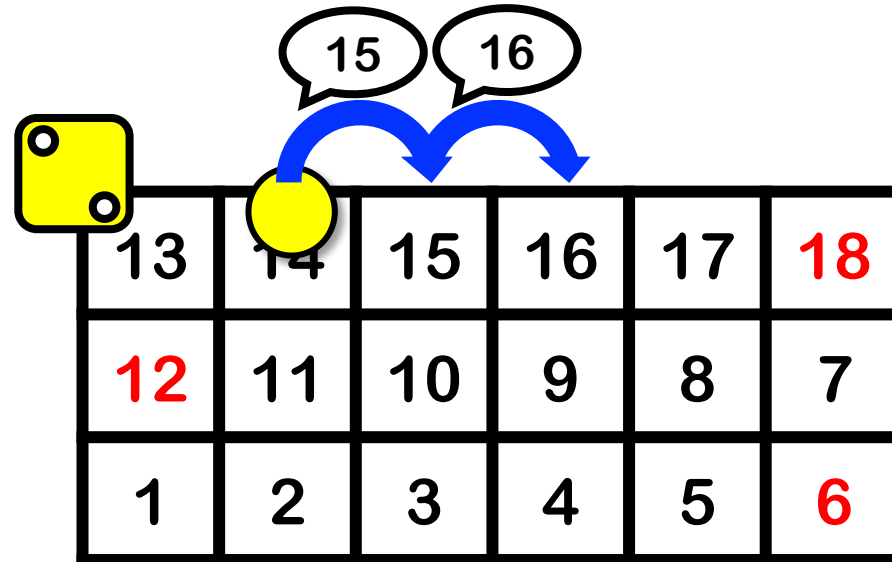
Use 18 sticks or twigs.
How many triangles can you make?

Count up and down

Draw a picture with 18 birds in the sky, 18 trees, 18 people and a house with 18 windows.



I have nearly drawn all the windows



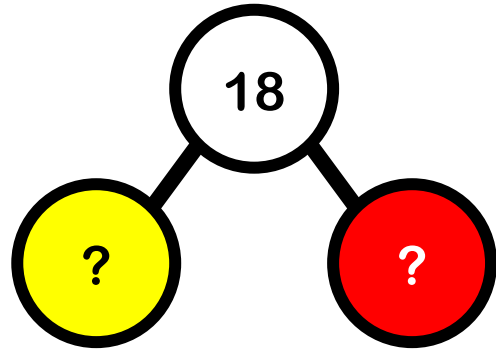
Invent a board game on a track up to 18. Use dice and count up and down.

Count to 18 in jumps of 2.

Count up and down in 2s.



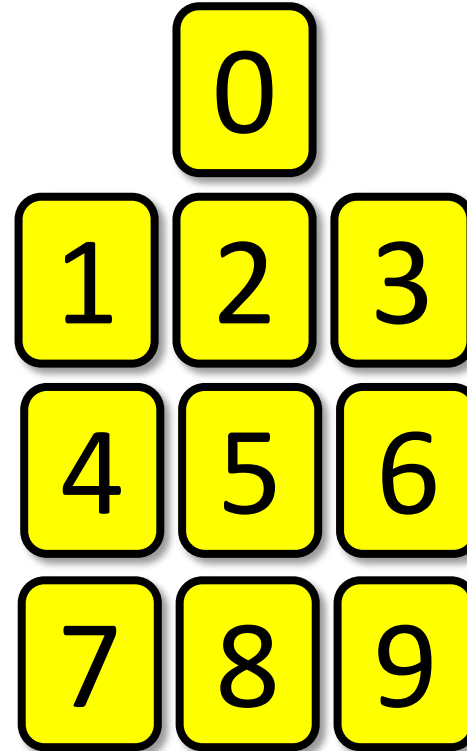
Bridging 10



$$18 = \boxed{} + \boxed{}$$

Choose two single digits to add to make 18.

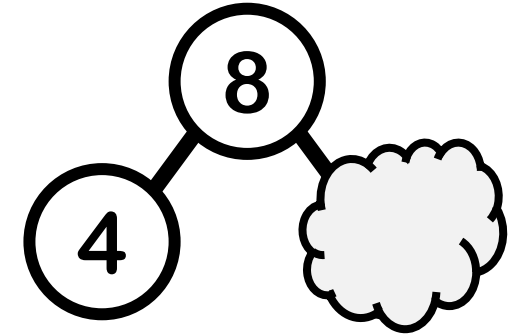
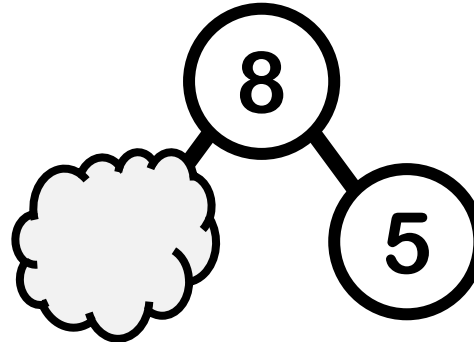
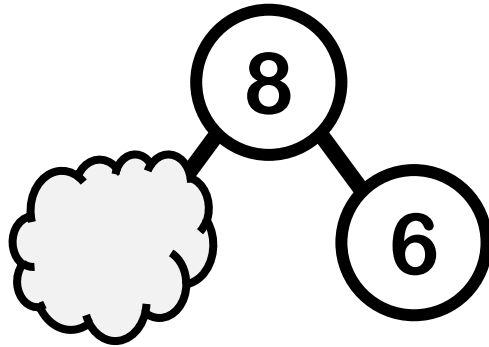
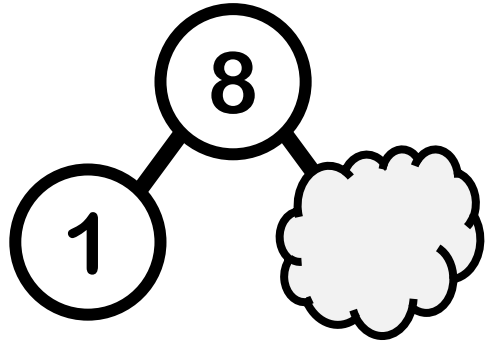
How many solutions can you find?



Hmm. I learned something about adding two numbers to make 18

I wonder if you can make 18 using 3 different cards

Use what you know...



Work out bonds to 8.

Then work out bonds to 18.

$$18 = 10 + 7 + \text{blue circle}$$

$$18 = 10 + 5 + \text{yellow pentagon}$$

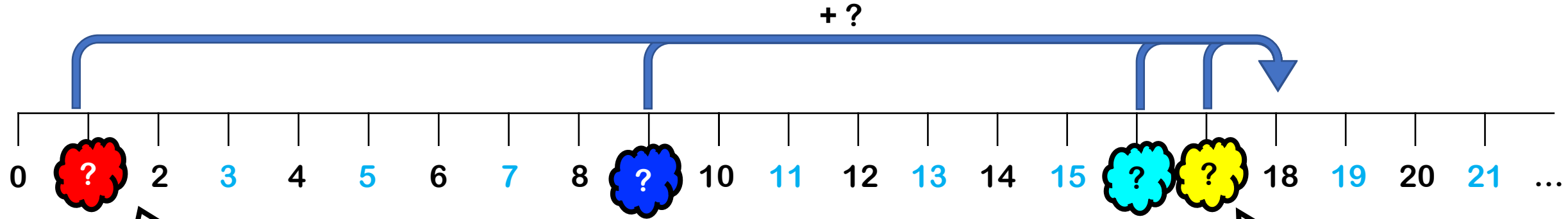
$$18 = 10 + 3 + \text{yellow star}$$

$$18 = \text{black diamond} + 13$$

$$18 = 4 + \text{blue inverted triangle} + 4$$

$$18 = \text{red heart} + 11$$

Number friends



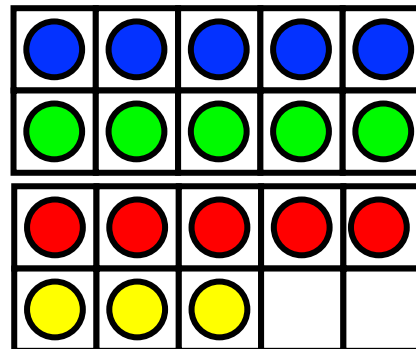
Hmm. This is a long way from 18. I must have to add a big number like ...

How do you jump from the mystery numbers to 18?

I know 8 is 1 more than 7, so 1 less than 18 is ...

10 is less than 18.

18 is more than 15.

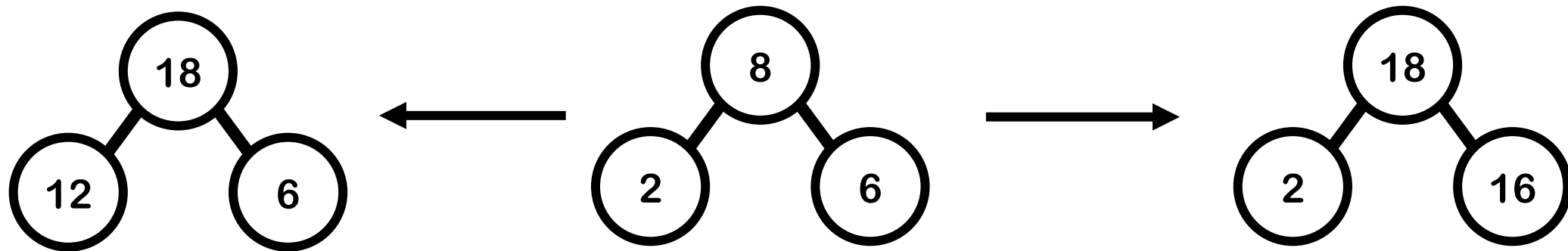


20 is more than 18.

18 is less than 20.

This week we learned...

- 1) 18 is double 9. This is the only addition fact for 18 with 2 single digits.
- 2) If we know 8, we know 18.



- 3) 18 is close to 20. It is 3 more than 15 and 2 less than 20.

Well done! See you next week.