

# Year 2

**Additive Fluency 2 – Numbers within 20**

**Week 2**

# Number of the week... 20!

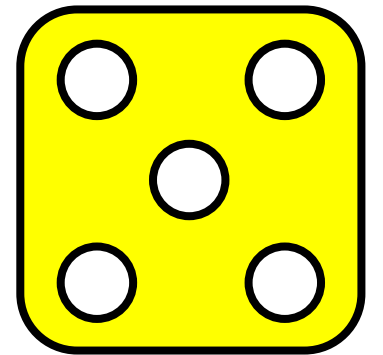
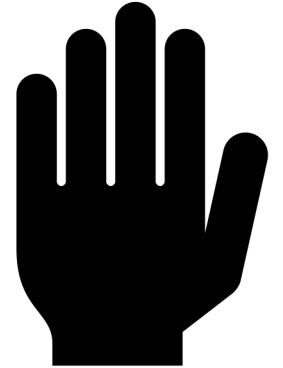
Notes for teachers in school or at home:

- This week is about learning the number 20 really well.
- Know 20 is 4 groups of 5, 2 groups of 10.
- Count forwards to 20 and backwards to 0 in steps of 1, 2, and 5.
- Know number bonds to 10 and number bonds to 20.  
For example,

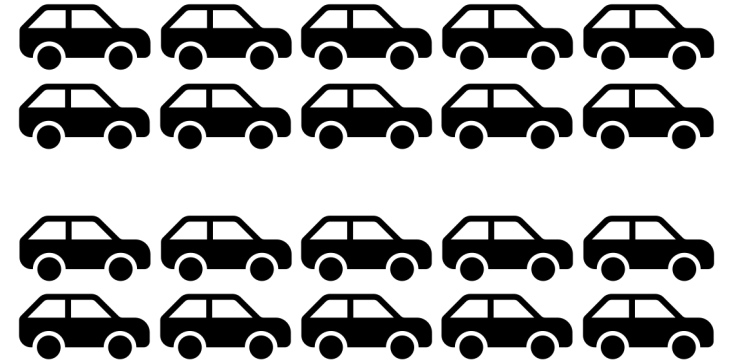
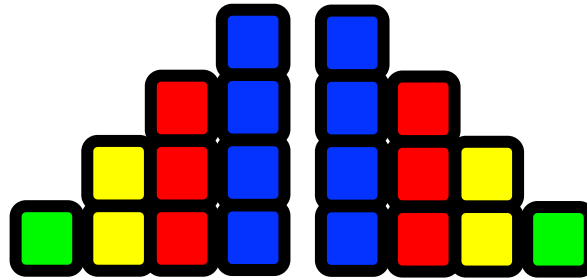
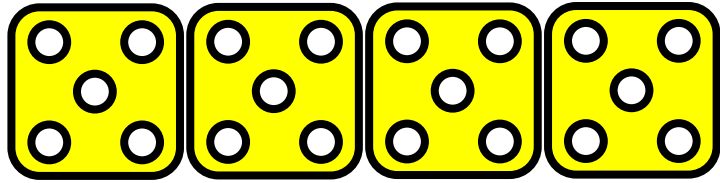
$$10 = 3 + 7 \dots$$

$$20 = 13 + 7,$$

$$20 = 3 + 17.$$



# Patterns



Which patterns  
show:

$$20 = 5+5+5+5$$

$$20 = 10+10$$

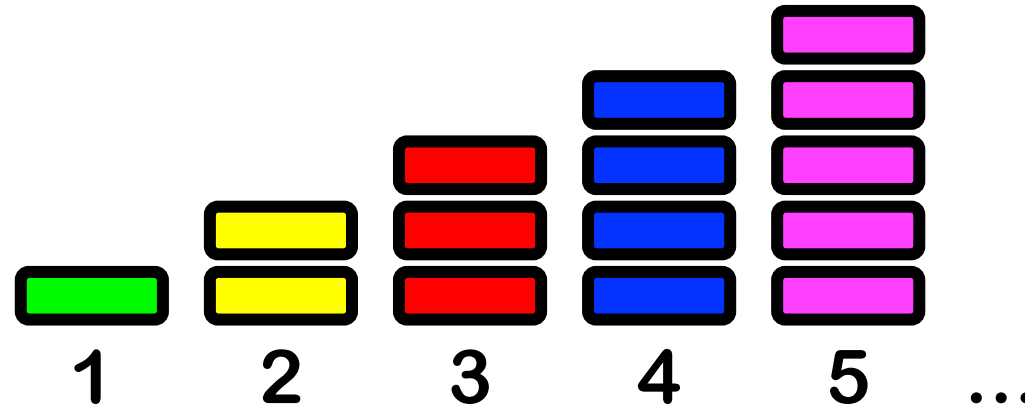
Make or draw  
different patterns  
for 20.

Invent some  
drumming or  
clapping patterns  
with 20 beats.

# Count up and down

Make or draw a counting staircase like this up to 20.

Count up and down!



Hide 20 toys for a treasure hunt.

Count down as you find each toy.

Count in steps of 2

Count in steps of 5

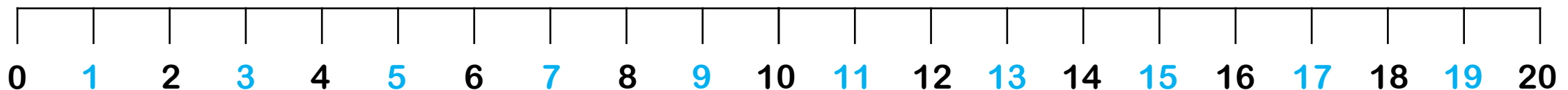
Count up and down

Is 20 odd or even?

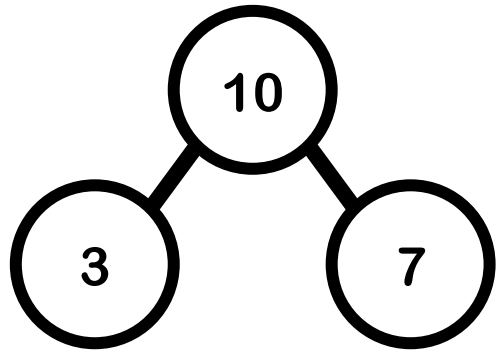
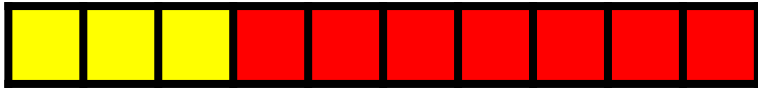
How do you know?

Do exercises.

Count up to 20, then back down again.



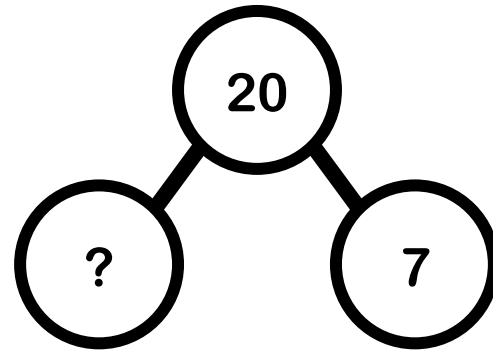
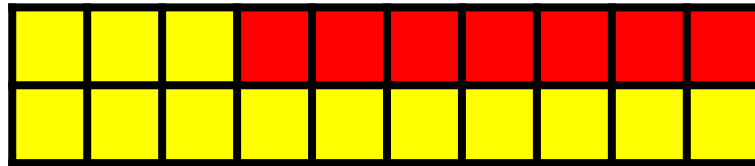
# If I know ...



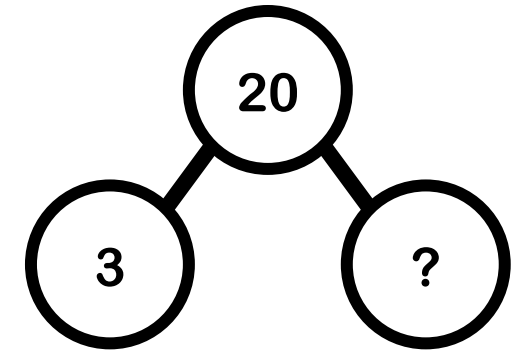
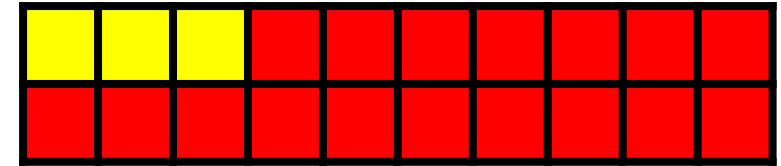
$$10 = \square + \square$$

10 is made of 3 and 7.

So 20 is made of...



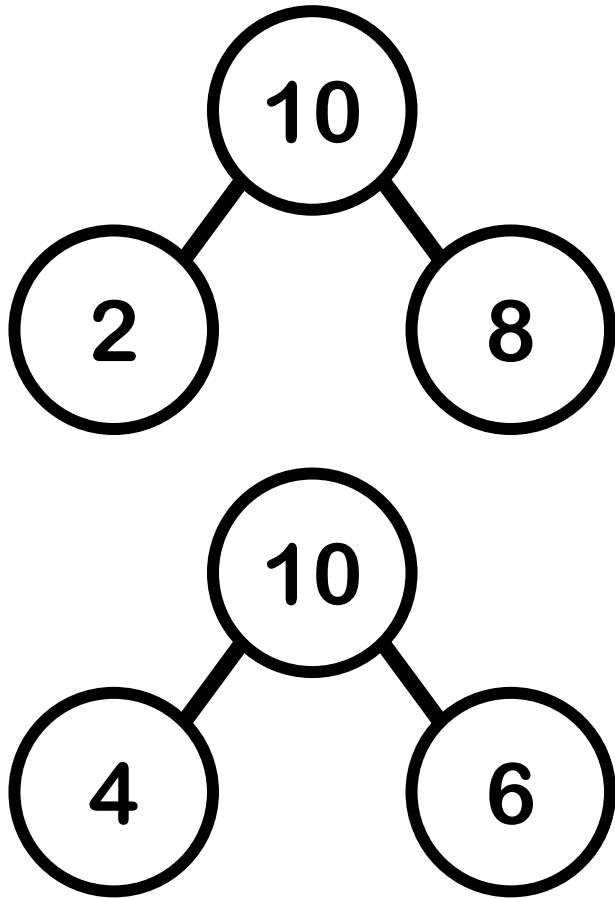
$$20 = \square + \square$$



$$20 = \square + \square$$

I also know 10  
is 1 and 9.  
Can I use this  
to make 20?

# Use what you know...



Use what you know about the number 10 to work out the hidden numbers.

$$20 = 2 + \heartsuit$$

$$20 = 12 + \bullet$$

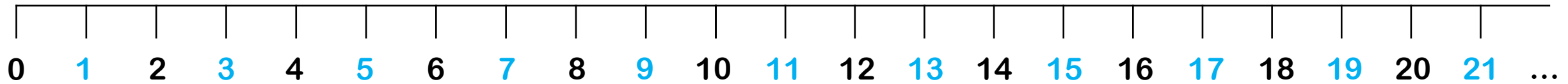
$$20 = \star + 4$$

$$20 = 6 + \text{cloud}$$

$$20 - 4 = \blacklozenge$$

$$20 - \blacktriangledown = 18$$

# Number friends

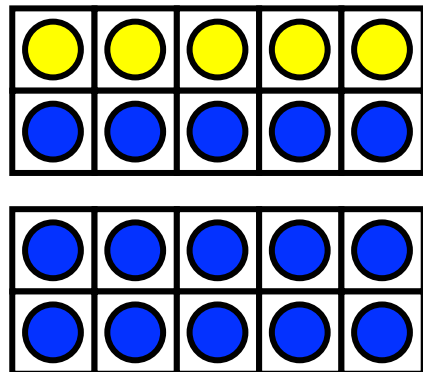


**Which numbers are NEXT to 20?**  
**Which are near to 20?**  
**Which are further away?**

One more than 20 is ...

20 is one more than...

5 and 5 make 10 so 20 is ...



5 less than 10 is 5 so 5 less than 20 is...

# This week we learned...

- 1) 20 is  $10 + 10$  or 4 groups of 5
- 2) To count up to 20 and down again! Can you count in different steps?
- 3) 10 is  $3 + 7$ , so 20 is  $13 + 7$  and  $17 + 3$
- 4) 10 is  $2 + 8$ , so 20 is ...
- 5) If you know all your bonds to 10, then you know all your bonds to 20.

Well done! See you next week.