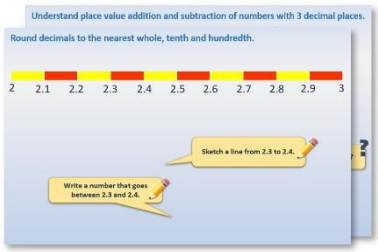
Year 1: Week 5, Day 5

Find a difference in lengths

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



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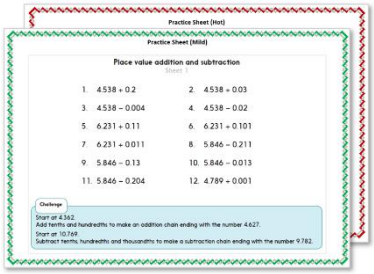
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.



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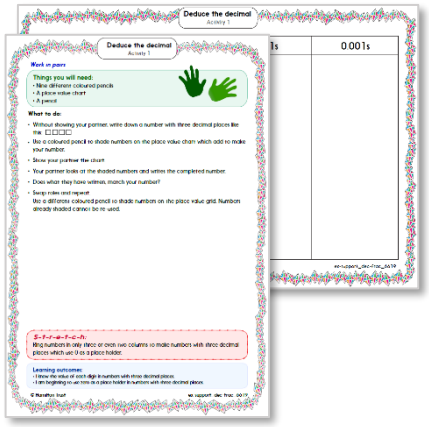
3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**



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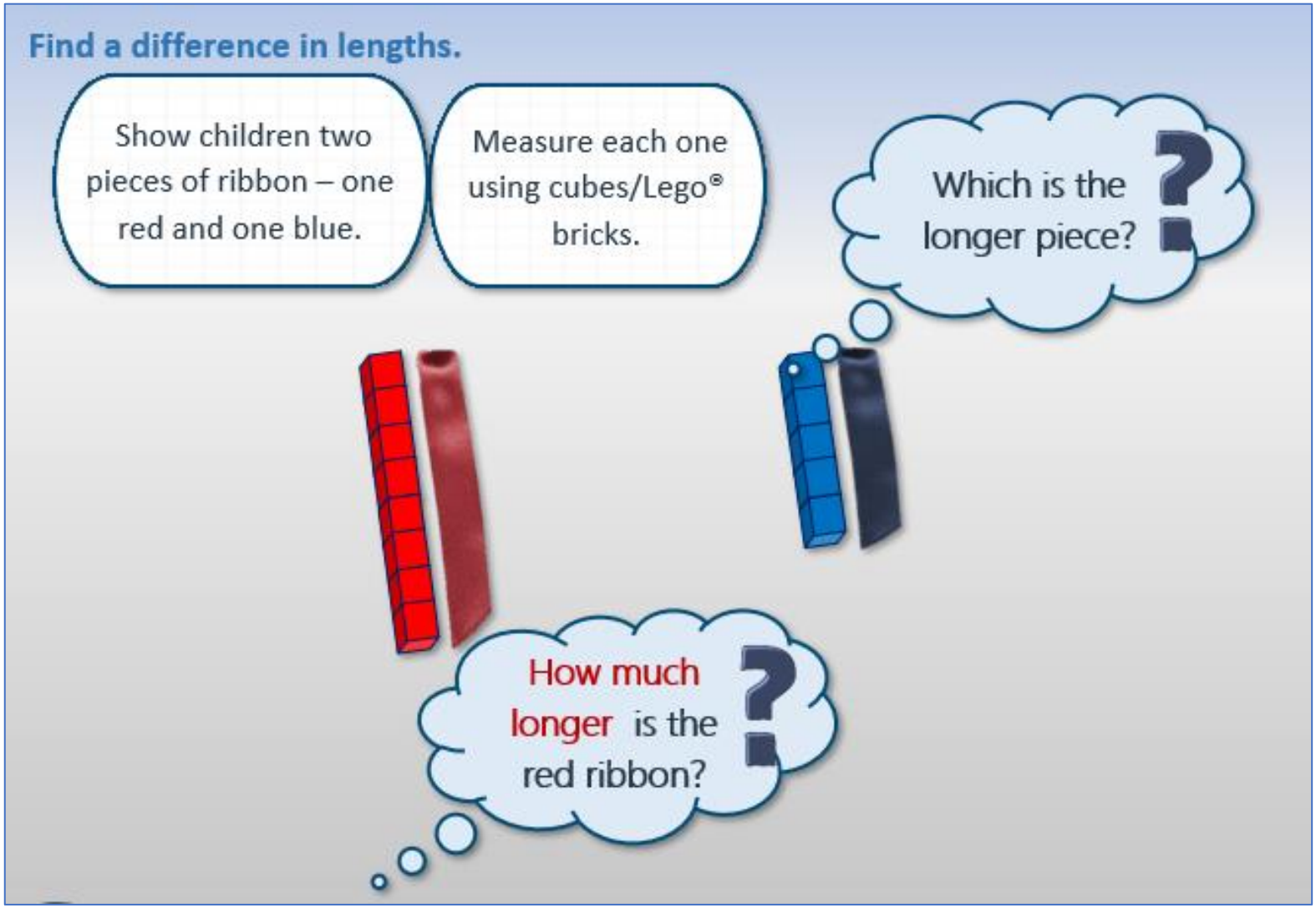
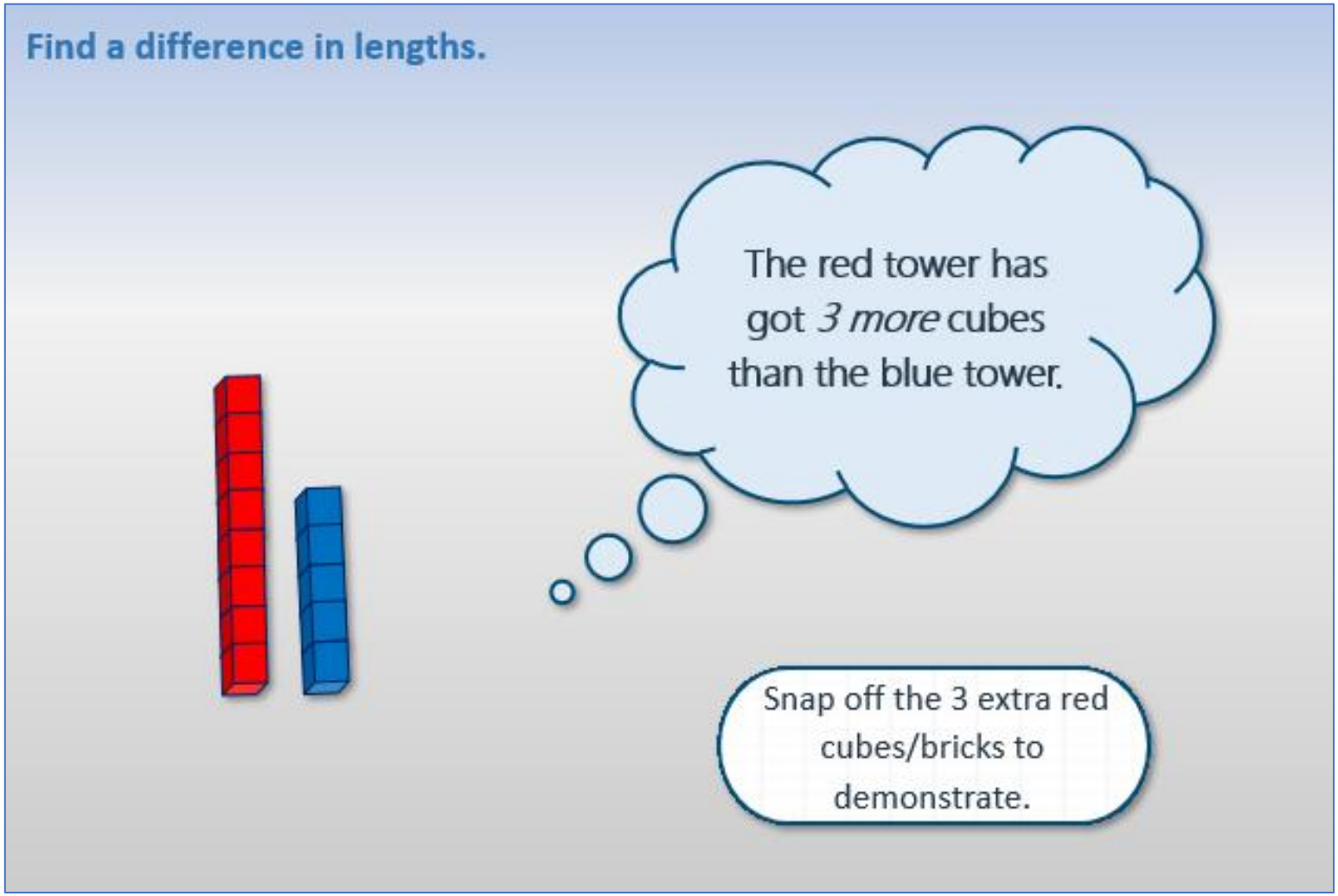
4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the **Investigation**…

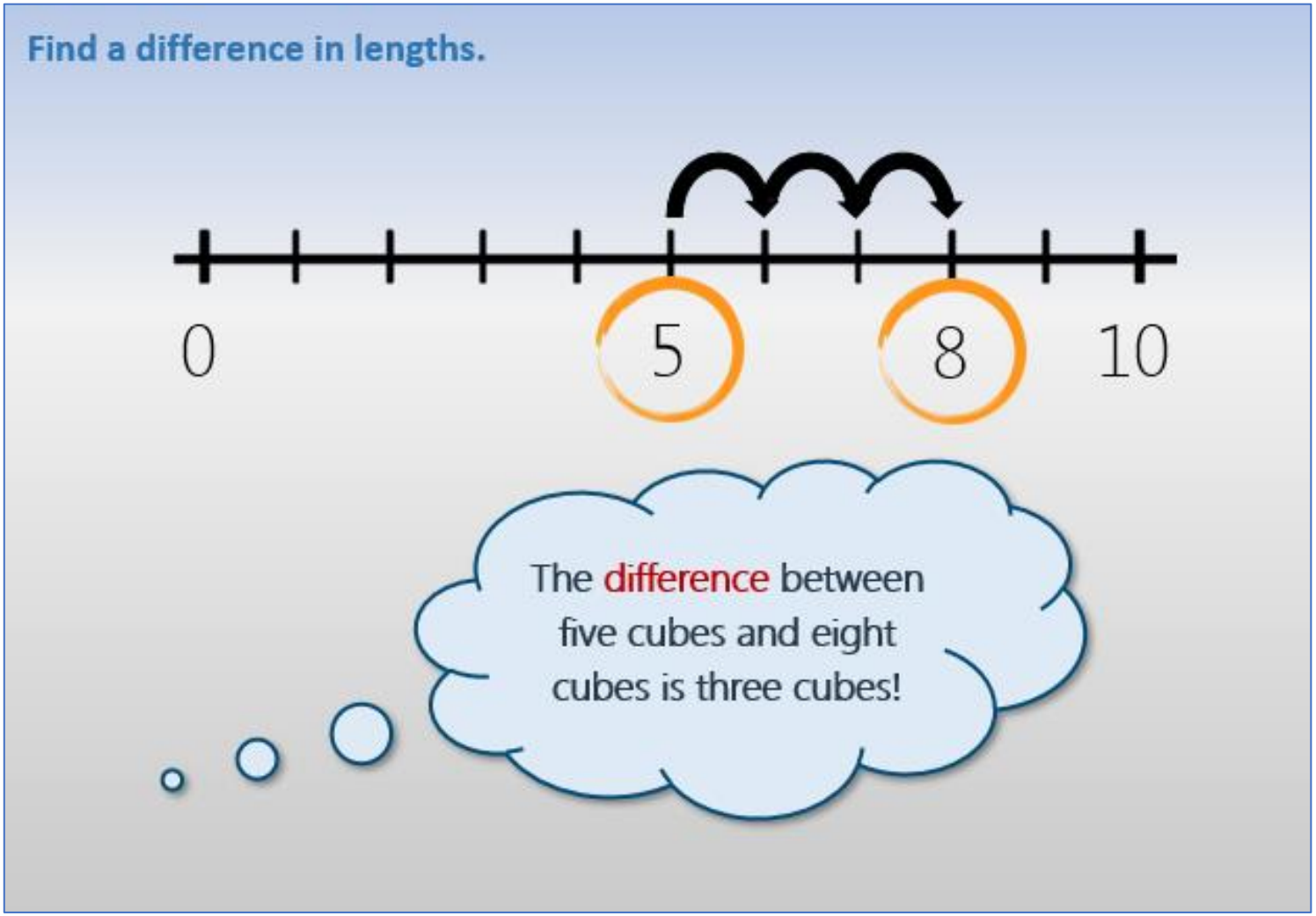
Learning Reminders



Learning Reminders



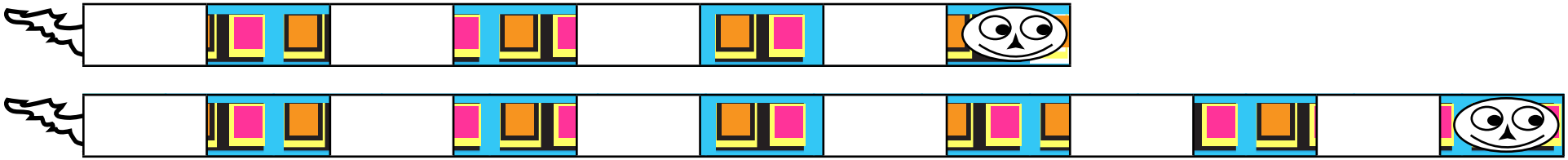
Learning Reminders



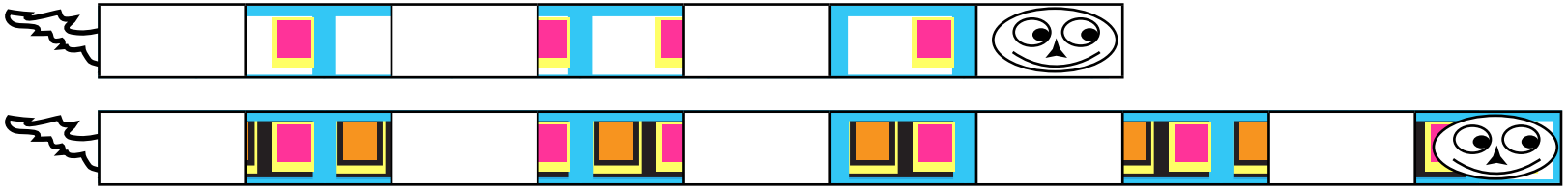
Practice Sheet Mild

What's the difference between the snakes?

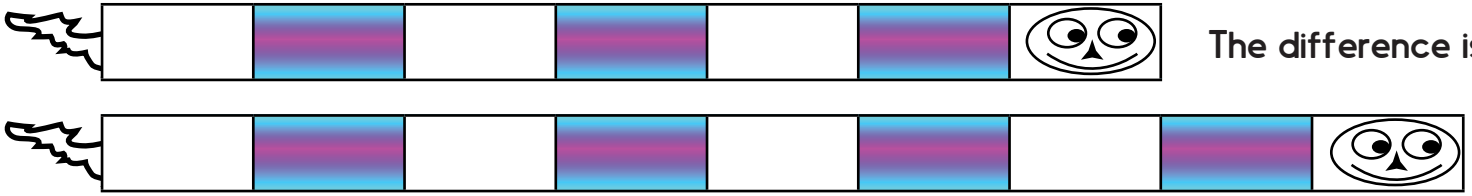
The difference is ☐



The difference is ☐



The difference is ☐

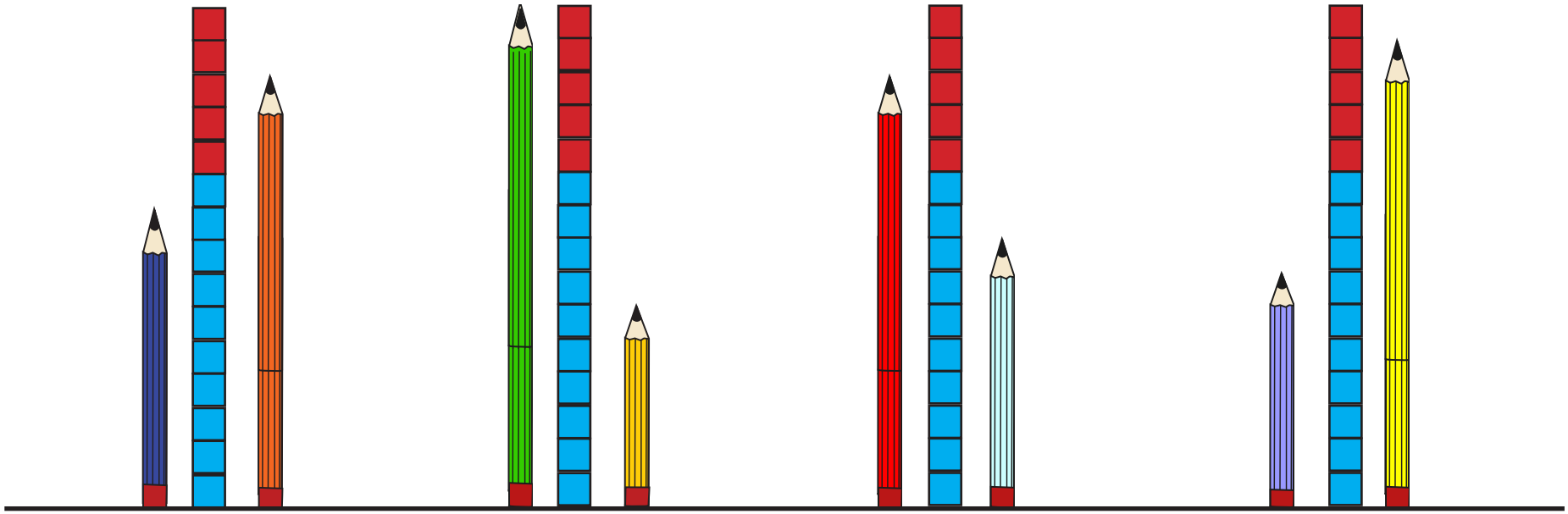


The difference is ☐

Practice Sheet Hot

What's the difference?

The difference is...



... ☐ cubes ... ☐ cubes ... ☐ cubes ... ☐ cubes.

Practice Sheets Answers

What's the difference between snakes? (mild)

1. The difference is 1 cube.
2. The difference is 4 cubes.
3. The difference is 3 cubes.
4. The difference is 2 cubes.

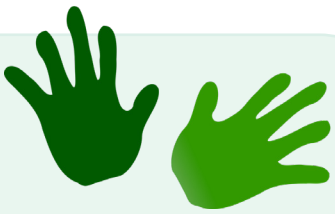
Day 3 What's the difference? (hot)

1. The difference is 4 cubes.
2. The difference is 9 cubes.
3. The difference is 5 cubes.
4. The difference is 7 cubes.

A Bit Stuck?
Tall towers

Work in pairs

Things you will need:
- Cubes/Lego bricks
- 6-12 number cards
- A pencil



What to do:

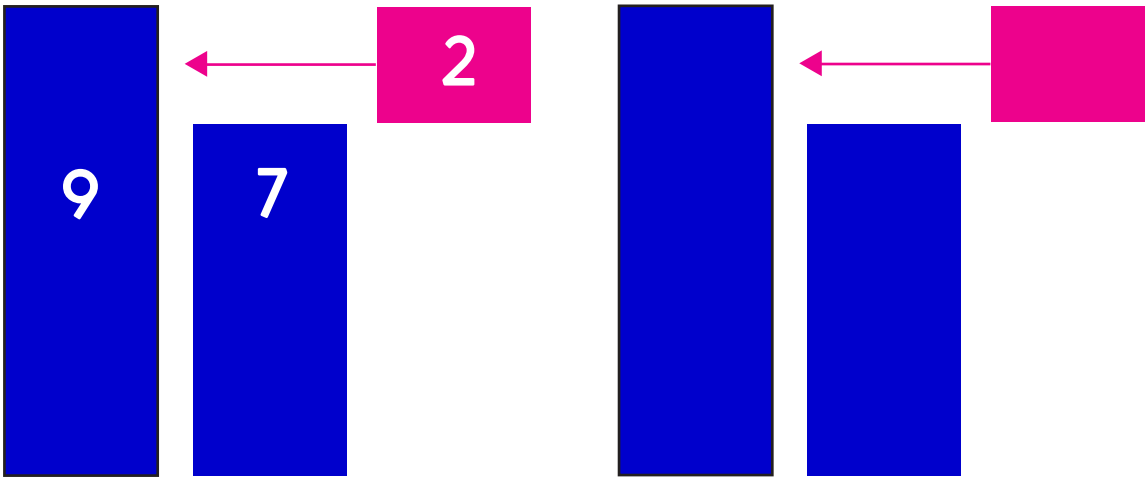
Shuffle the number cards.
Place face down in a pile.

Take the top card.
Build a tower using that number of cubes/Lego bricks.

Your partner does the same.

What is the difference between your two towers? Write the three numbers in one of the pictures.

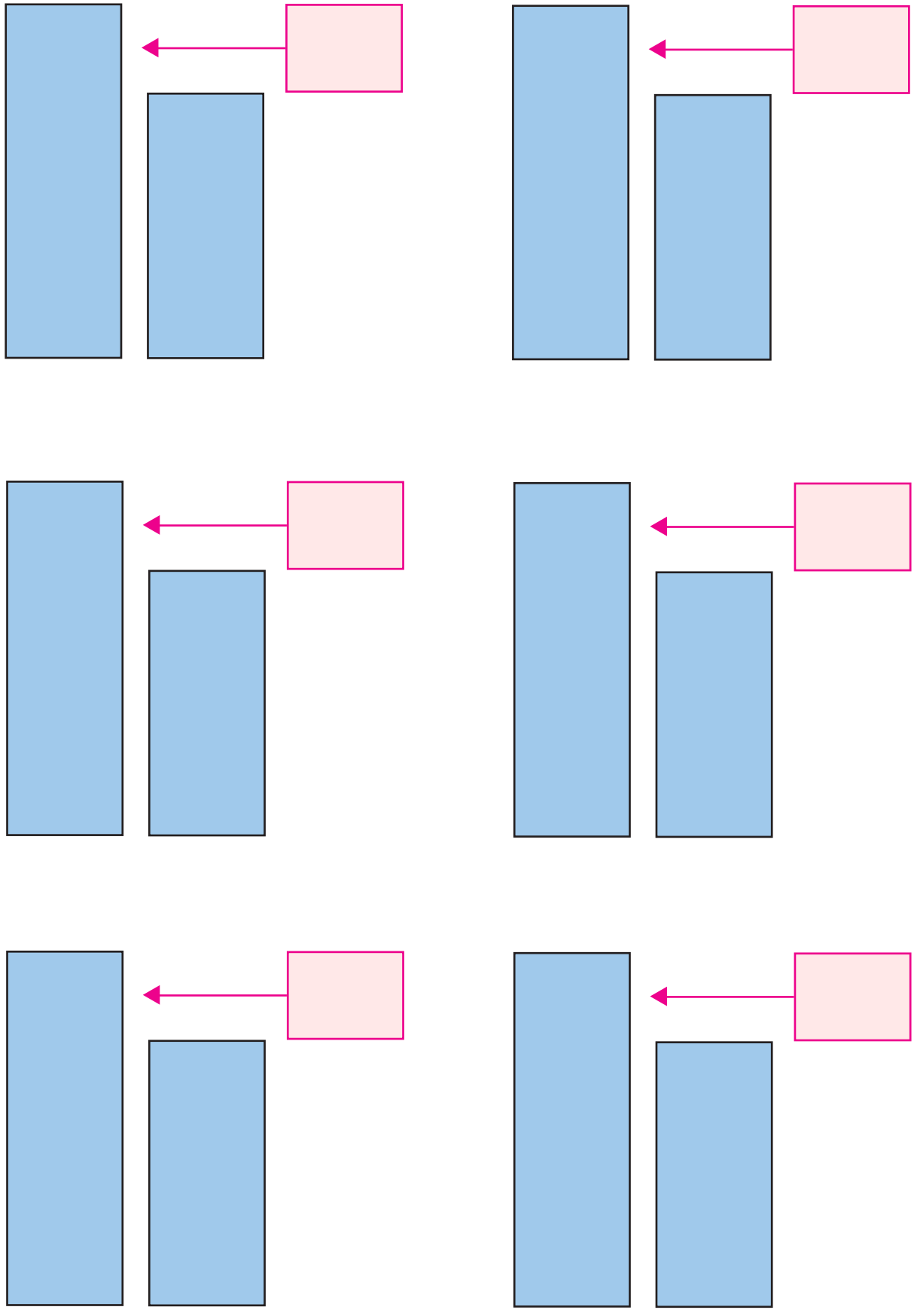
Repeat with other pairs of cards.



S-t-r-e-t-c-h:
Make a pair of towers with a difference of 3 cubes/Lego bricks.
Write down the pair of numbers.

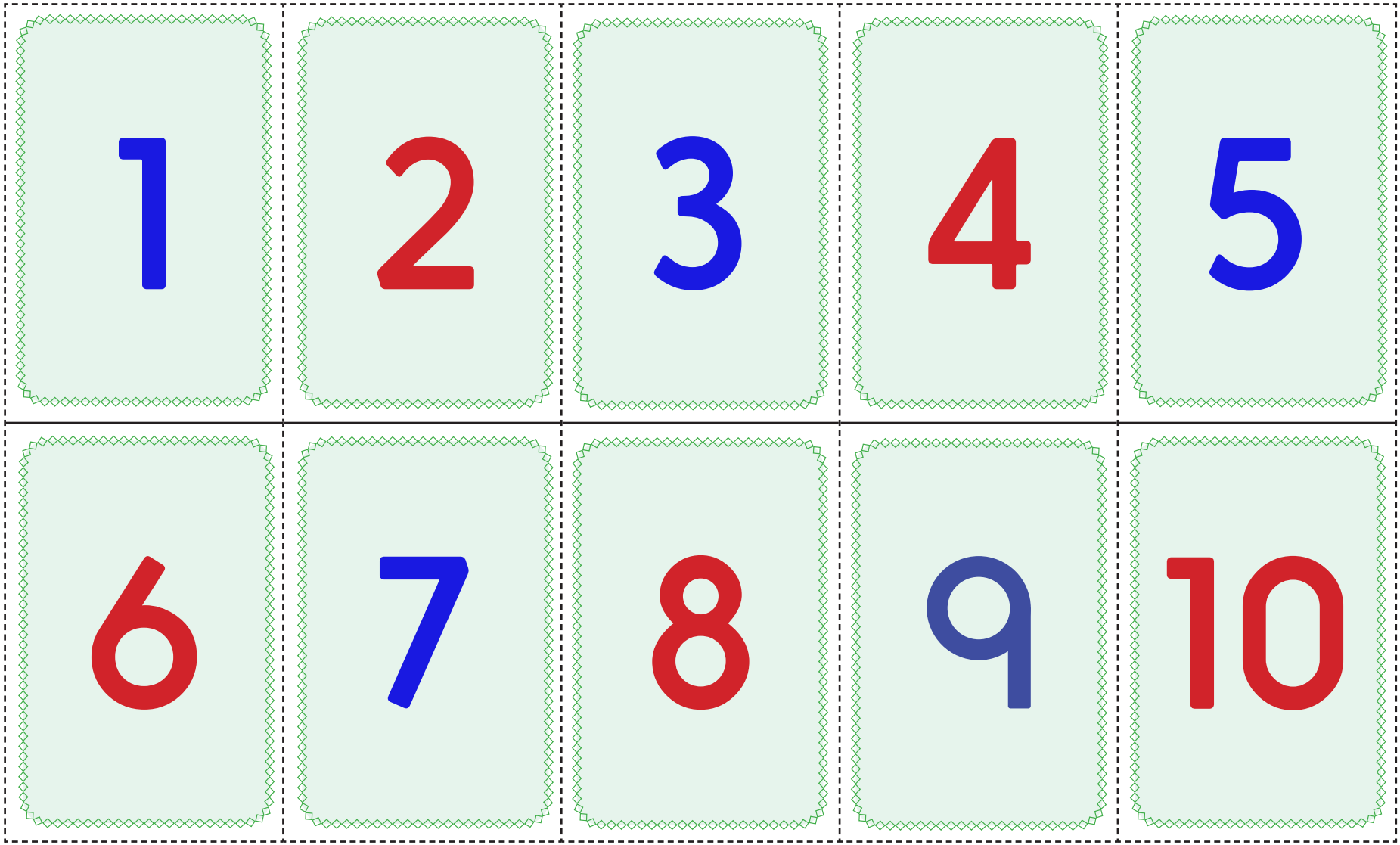
Learning outcomes:
- I can find a difference between pairs of towers.
- I am beginning to find pairs of towers with a given difference.

A Bit Stuck?
Tall towers



A Bit Stuck?

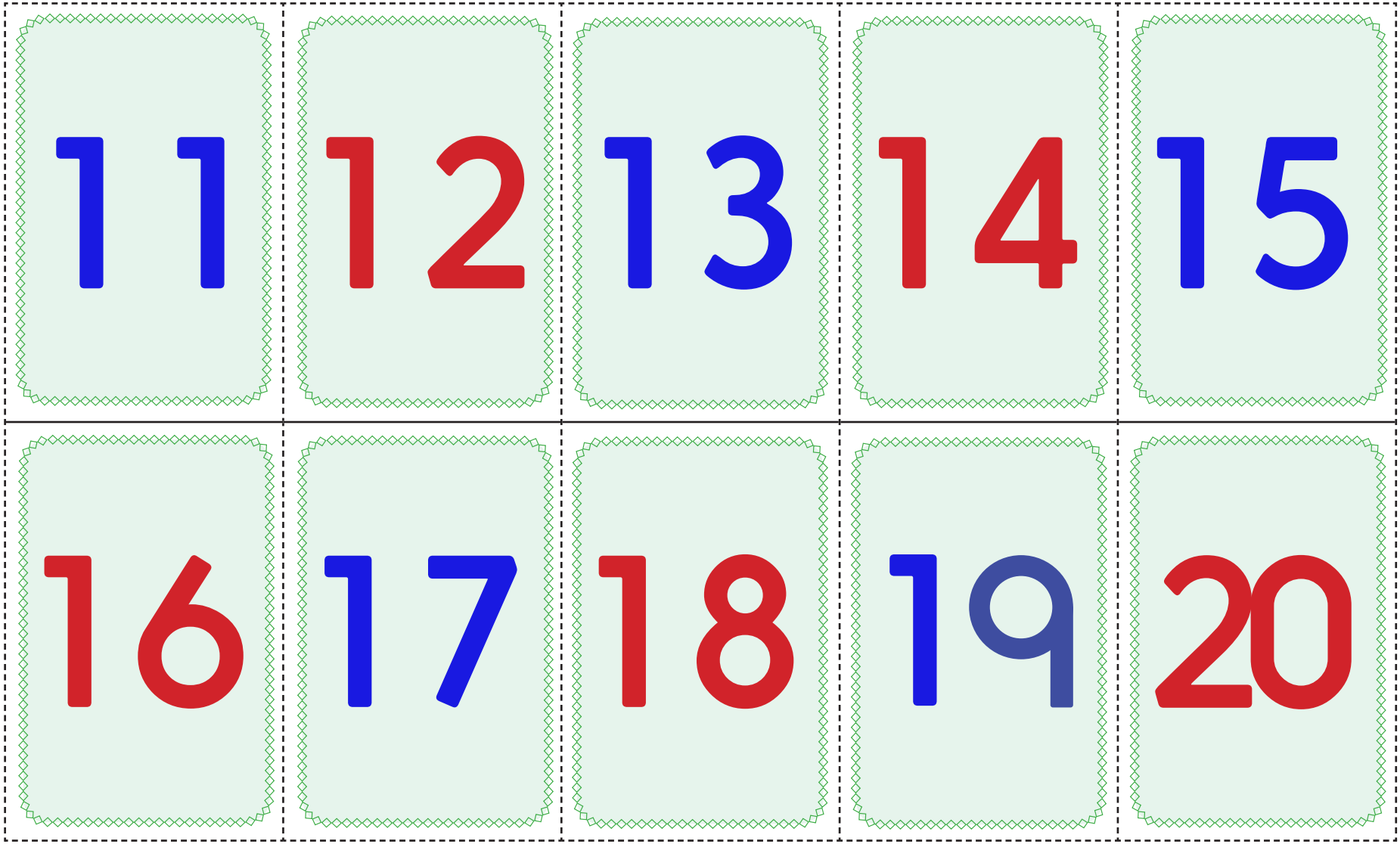
Number cards



Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

A Bit Stuck?

Number cards



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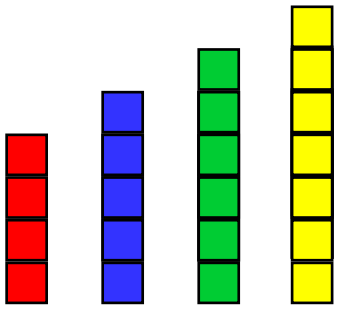
Investigation
Four towers

1. Make four towers of cubes/Lego bricks, one each of 4, 5, 6 and 7 cubes/Lego bricks.



2. Can you arrange the towers so that any pair of next door towers have a difference of 2 cubes/Lego bricks or more? That is to say one tower is 2 cubes/Lego bricks taller more than its neighbour.

3. Can you find a different way to do this?

4. How many ways are there? Can you show that you have them all?

Challenge

Try again with four towers made from 5, 6, 7 and 8 cubes/Lego bricks. Or four other numbers between 5 and 10.