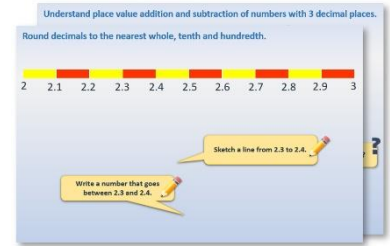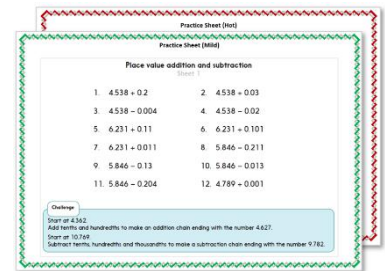# Year 1: Week 5, Day 5
Find a difference in lengths

Each day covers one maths topic. It should take you about 1 hour or just a little more.
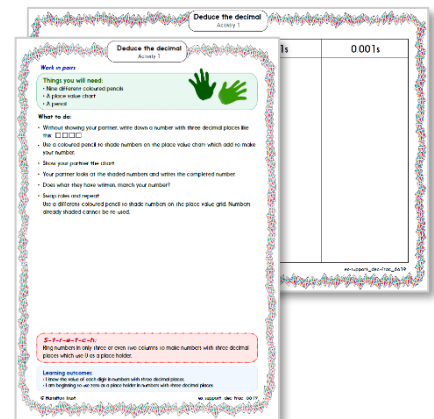
1. Start by reading through the **Learning Reminders**.
   They come from our *PowerPoint* slides.

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

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

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

Learning Reminders

Find a difference in lengths.

Show children two pieces of ribbon – one red and one blue.

Measure each one using cubes/Lego® bricks.

Which is the longer piece?

How much longer is the red ribbon?

Learning Reminders

Learning Reminders

Practice Sheet Mild
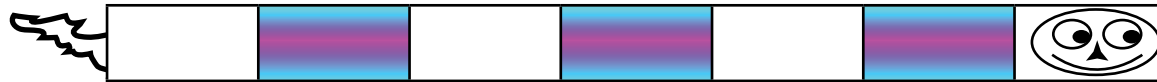## What's the difference between the snakes?
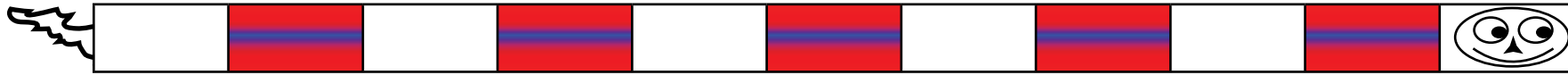
The difference is [ ]

The difference is [ ]

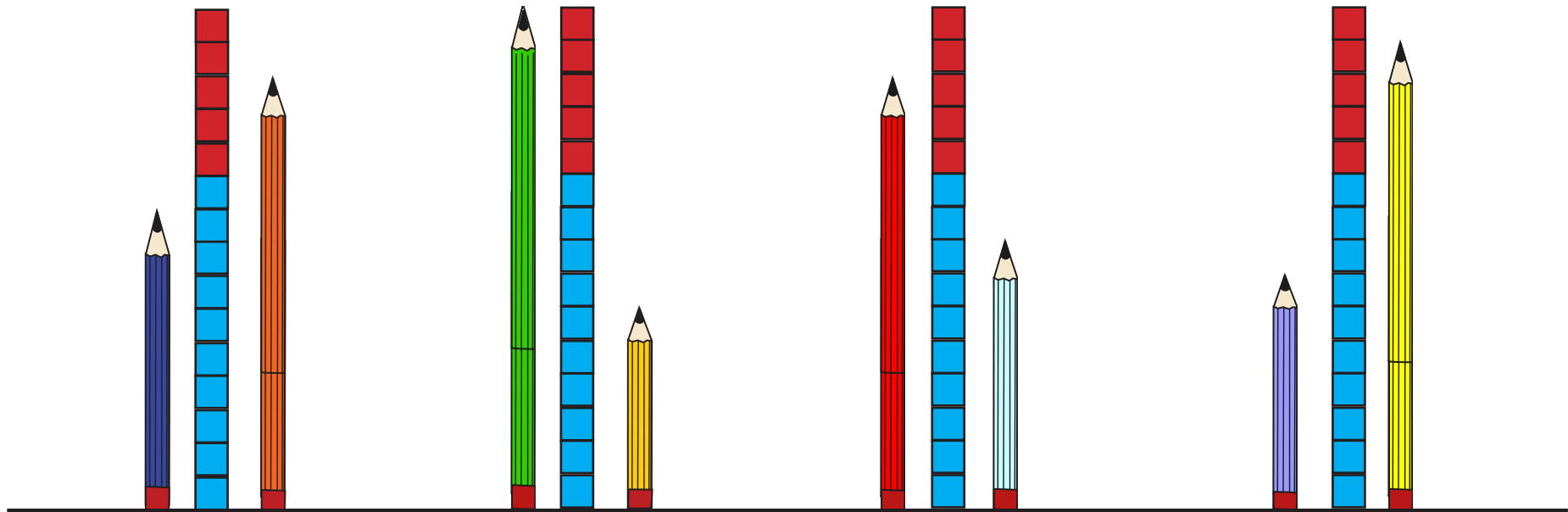The difference is [ ]

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.

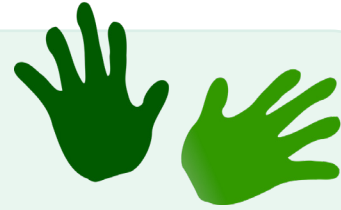**Day 3 What's the difference? (hot)**

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

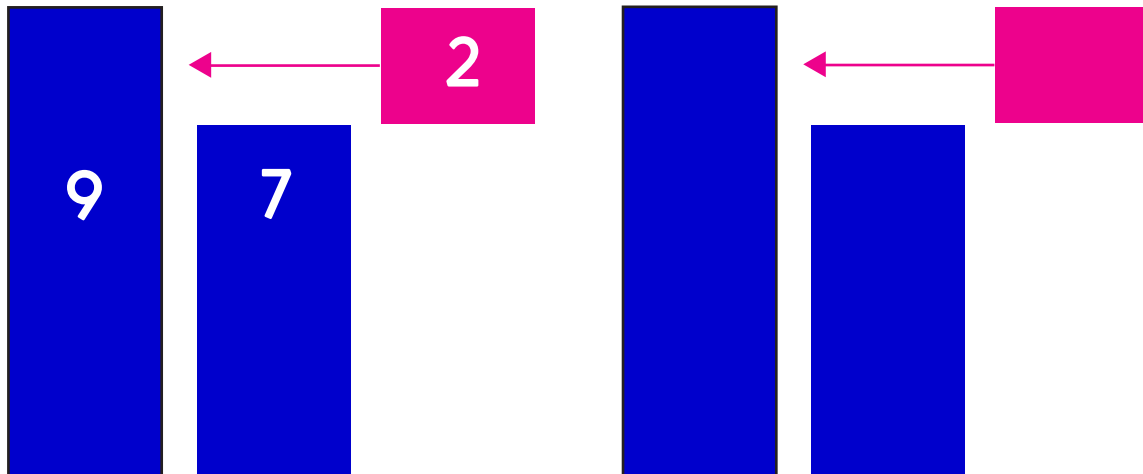# A Bit Stuck?
Tall towers

Work in pairs

What to do:

huffle 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.

9	7	←	**2**			←	

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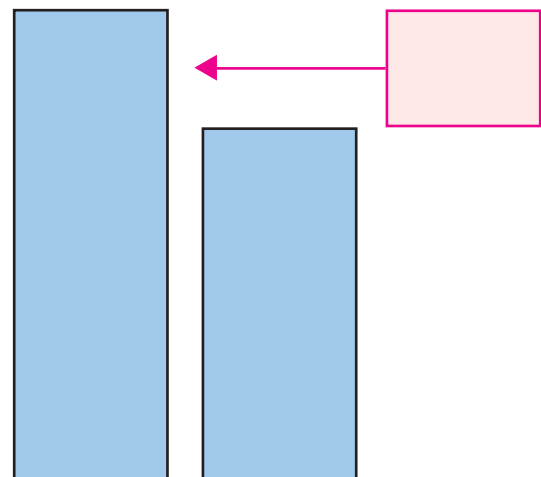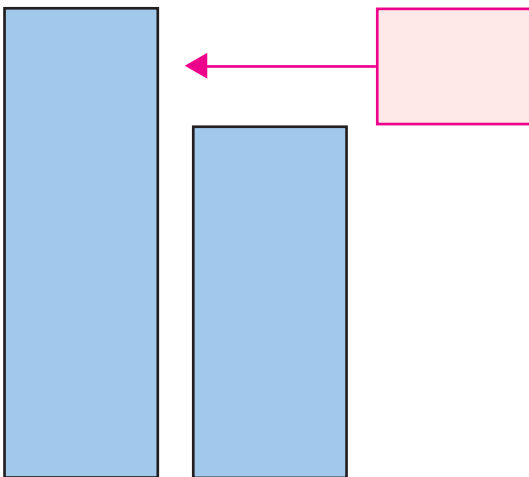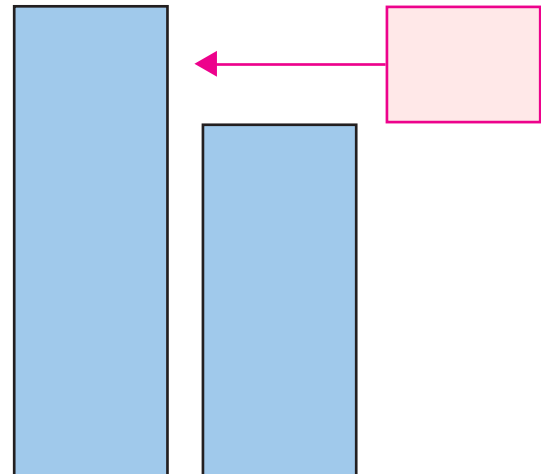Write down the pair of numbers.

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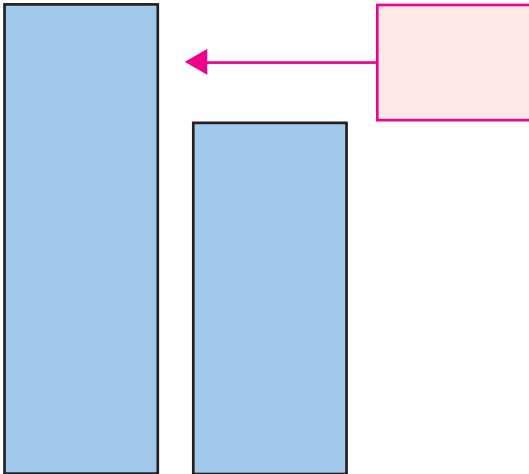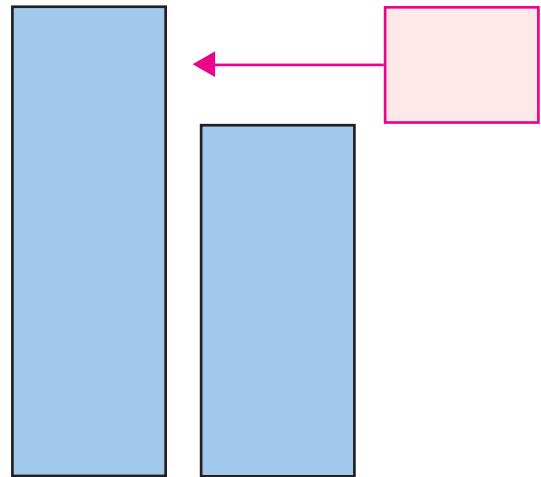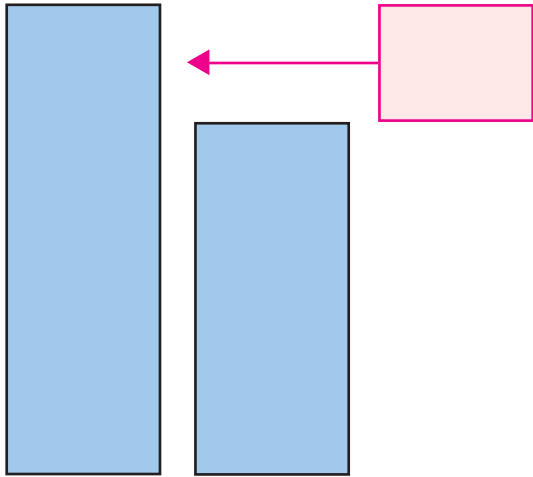• I can find a difference between pairs of towers.
• I am beginning to find pairs of towers with a given difference.

A Bit Stuck?
Tall towers

A Bit Stuck?
Number cards

1	2	3	4	5
6	7	8	9	10

A Bit Stuck?
Number cards

11	12	13	14	15
16	17	18	19	20

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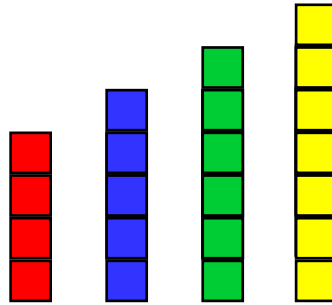
2. Can you arrange the towers so that any pair of next door towers have a difference of 2 cubes/Lego bricks or more? That is to say one tower is 2 cubes/Lego bricks taller more than its neighbour.

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.

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