# Week 10, Day 5 

Find a difference (2)

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


## Learning Reminders

Find a difference in heights using cubes.


## Practice Sheet Mild <br> Find the differences!

Work out the difference between each of the sets of towers:


The difference is

B.

C.

E.


## Challenge

Can you draw two towers that have a difference of 3 ?

## Practice Sheet Hot Find the differences!

Work out the difference between each of the sets of towers:
A.


The difference is
C.

B.

F.

G.


1. Which pair of towers has the biggest difference?
2. Which pair of towers has the smallest difference?
3. Which towers have a difference of 2 ?
4. Which of these towers have a difference of 4 ?

## Challenge

Draw two more pairs of towers that have a difference of 4 - one pair that uses 8 cubes and one pair that uses 10 cubes.

## Practice Sheet Answers

Find the differences! (mild)
A. The difference is 5 .
B. The difference is 1 .
C. The difference is 4 .
D. The difference is 2 .
E. The difference is $\mathbf{2}$.

## Challenge

Children should draw pairs of towers that have a difference of 3, e.g. 4 and 7 cubes, 2 and 5 cubes, 7 and 10 cubes, etc.

Find the differences! (hot)
A. The difference is 5 .
B. The difference is 1 .
C. The difference is 4 .
D. The difference is 3 .
E. The difference is 2 .
F. The difference is 4 .
G. The difference is 5 .

1. Tower pairs A and G have the biggest difference, both being 5 .
2. Tower pair B has the smallest difference, of 1 .
3. Tower pair E has a difference of 2.
4. Tower pair F has a difference of 4.

## Challenge

Using exactly 8 cubes children should draw towers of 6 and 2 cubes as these have a difference of exactly 4 cubes.
Using exactly 10 cubes children draw towers of 7 cubes and 3 cubes, as these have a difference of exactly 4 cubes.

## A Bit Stuck? Penny differences

Things you will need:

- 20 pennies (or counters)
- 5 to 10 cards (see resource)


## What to do:

- Choose two cards.
- Make a line of pennies to match each card.

For example:


- What is the difference between your two lines of pennies?

The difference between 8 and 10 is 2

- Repeat with other pairs of cards.
- How many differences can you find between pairs of numbers?


