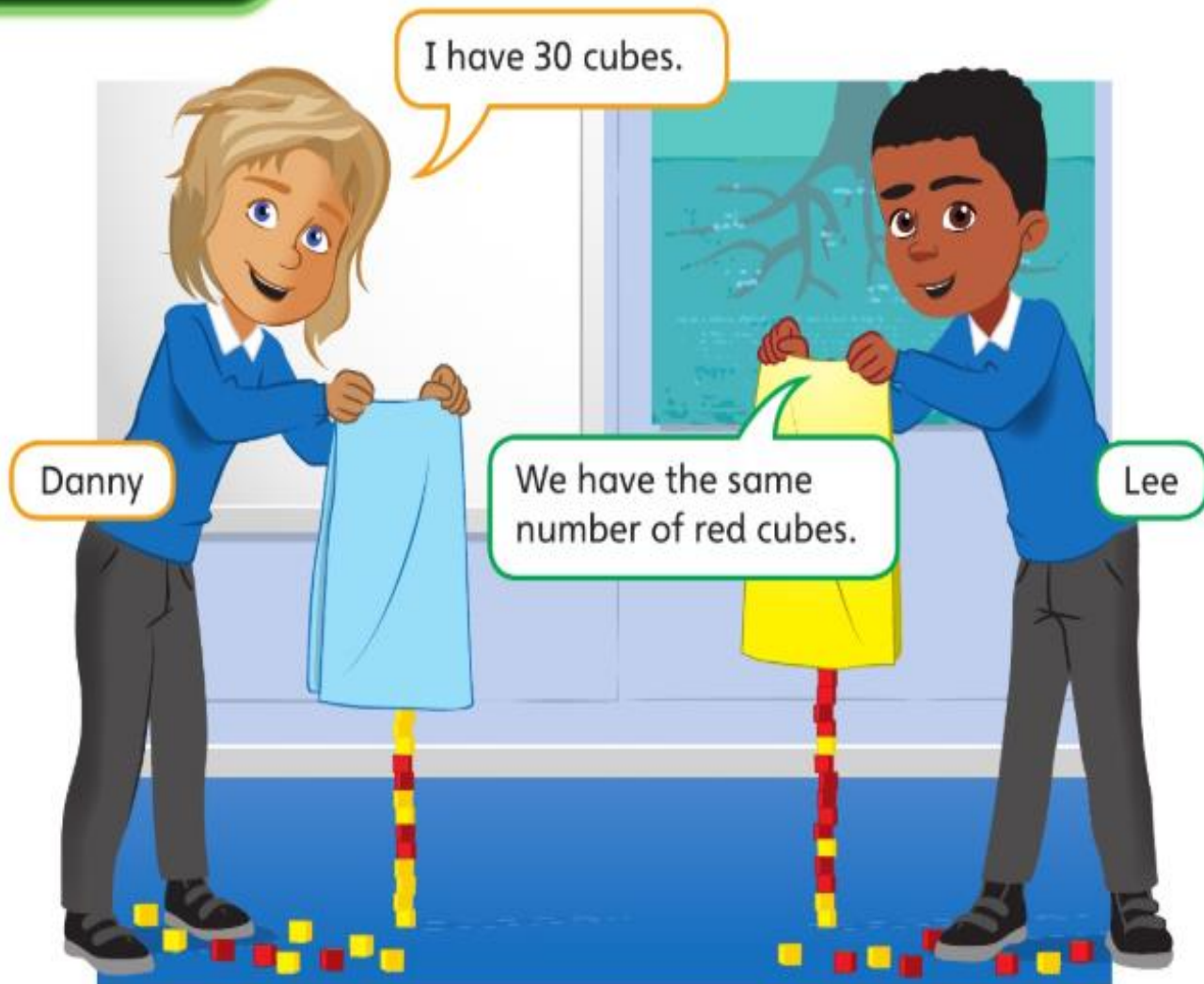


## Problem solving – fraction of a quantity 2



### Discover



- 1** a)  $\frac{2}{5}$  of Danny's tower is made of red cubes.  
How many red cubes are in Danny's tower?
- b)  $\frac{3}{4}$  of Lee's tower is made of red cubes.  
Whose tower has more cubes?  
How many more cubes does it have?

## Share

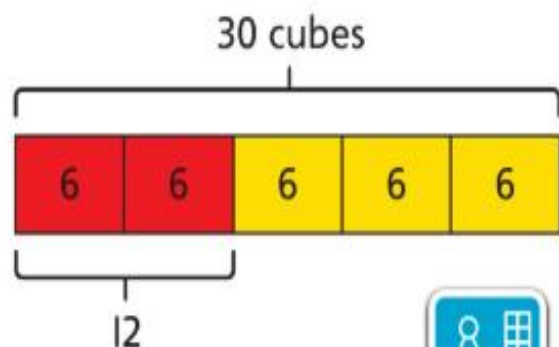
a) Danny has 30 cubes in his tower.

$\frac{2}{5}$  of the cubes are red.

$$30 \div 5 = 6$$

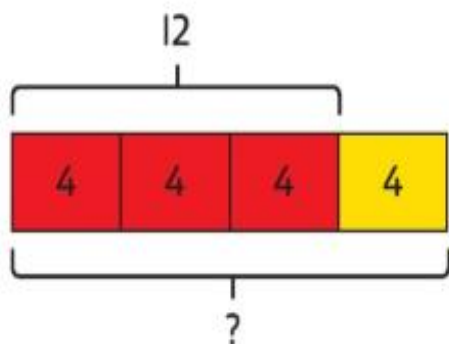
$$2 \times 6 = 12$$

There are 12 red cubes in Danny's tower.



b) Lee has the same number of red cubes as Danny, which is 12.

The 12 red cubes are  $\frac{3}{4}$  of Lee's tower.



I need to work out how many cubes there are in Lee's tower in total. I can do this by finding  $\frac{1}{4}$  first, then multiplying this by 4.



$$12 \div 3 = 4$$

Each part of the fraction strip is worth 4 cubes.

$$4 \times 4 = 16$$

There are 16 cubes in Lee's tower.

Danny's tower has 30 cubes, so Danny's tower has more cubes.

$$30 - 16 = 14$$

Danny's tower has 14 more cubes than Lee's tower.

## Think together

- 1 Danny and Lee have each made another tower of cubes. They each use 24 cubes in their tower.

$\frac{1}{6}$  of my tower is made of red cubes.



Danny

$\frac{5}{8}$  of my tower is made of red cubes.



Lee

How many more red cubes does Lee have than Danny?

$$24 \div 6 = \square$$

Danny's tower has  $\square$  red cubes.

$$24 \div 8 = \square$$

$$\square \times 5 = \square$$

Lee's tower has  $\square$  red cubes.

$$\square - \square = \square$$

Lee's tower has  $\square$  more red cubes than Danny's tower.

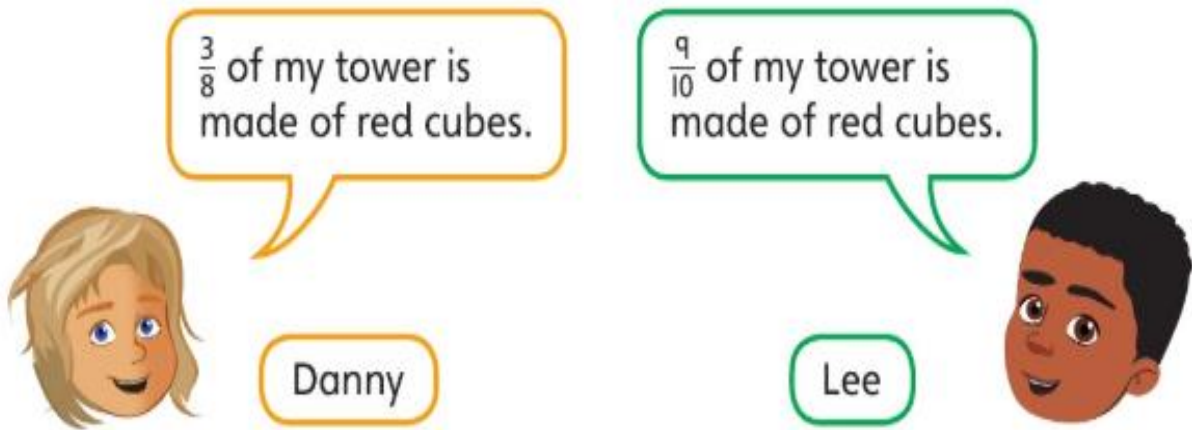
I will work out the unit fractions of red cubes for both towers.



I will draw a fraction strip to help me work out how many red cubes Lee's tower has.



- 2 Danny's tower and Lee's tower both have 18 red cubes.



Which tower has more cubes?

How many more cubes does the taller tower have?

\_\_\_\_\_ 's tower has more cubes. It has  more cubes.

- 3 There are 80 flowers.

$\frac{1}{4}$  of the flowers are red roses.

$\frac{3}{10}$  of the remaining flowers are yellow roses.

The rest of the flowers are white roses.

How many of each type of flower are there?

CHALLENGE

I wonder if you can use one fraction strip to find the solution.

I worked out how many red roses there are and then how many are not red.



- Please practice your **timetables**.  
(Purple mash- Monster multiplication)
- Check the **Mathletics** website to see and complete the tasks that have been set.

<https://www.mathletics.com/uk/>

## Daily Reading

- Read every day for at least 30 mins.
- Ensure you read a selection of texts including fiction and non-fiction.
- Fill in your **GREEN** reading record book.

## Daily diary:

- Complete a daily diary of **what work and activities you do**, remember to include your **emotions** and **opinions**.

Children to access Accelerated Reader whilst at home.

Please follow the link below to the exact same page as the children have seen in school:

<https://ukhosted3.renlearn.co.uk/1922510/Public/RPM/Login/Login.aspx?srcID=s>

31.3.30

English- Day 2

LO: To create characters and a setting

These two books have characters that are miniature sized. The Borrowers ingeniously repurpose normal sized objects, such as matchboxes for beds or a clothes peg for a ladder.

Roald Dahl's Minpins live in tree houses and use natural objects and animals for their homes and transport.



Imagine you have shrunk down to the size of the Borrowers or the Minpins.

- What would you do?
- Where would you live?
- What would you be able to do now you were miniature sized?

### Task:

- Turn a blank page landscape and **draw** where you (or your character if you prefer) live.
- 
- **Draw** yourself and any additional **characters** in your scene.
- 
- **Label** your scene with adjectives you could use later in your story. E.g. warm, cosy bed or old, broken mirror







