



**Lesson 28**

**LO: To find a quarter of an amount**

A quarter means 'one of four equal parts'

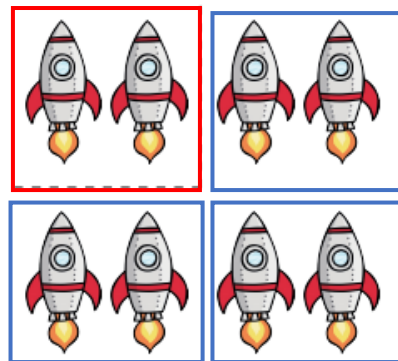


**Model:**

To find a quarter of an amount we **share into 4 equal groups**.

**So: Find a quarter of 8:**

- Share 8 into 4 equal groups.
- Count how many in one group
- **A quarter of 8 is 2**



$$\frac{1}{4} \text{ of } 8 = 2$$

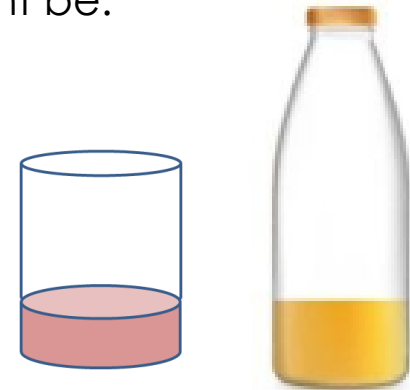
**Task 1:**

Use your toys or objects at home to help find a quarter of these amounts by sharing them into 4 equal groups:

- Quarter of 4
- Quarter of 12
- Quarter of 16
- Quarter of 20

**Task 2:**

Find different containers and fill them up a quarter of the way to get a feel for what quarter looks like. Does the water in all the containers look the same or different? Talk to your adult about why this might be.



Canonbury Home Learning  
**Year 3 Maths Lesson 28**

**LO: To understand tenths**

**Success Criteria:**

1. Look at the numerator of one fraction e.g.  $\frac{2}{10}$
2. Think: how many more to make ten? E.g. 8
3. Write that number as the numerator of your second fraction e.g.  $\frac{8}{10}$
4. Write the addition sentence e.g.  $\frac{2}{10} + \frac{8}{10} = \frac{10}{10}$

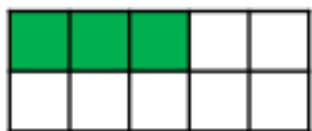
These fractions are all examples of **tenths**.



We know this because they have a **ten** as the **denominator**.

$\frac{10}{10}$  is the same as saying a **whole**.

Here, the shape is split into **10 equal parts** (denominator) and **3 of them have been coloured** in (numerator). It shows **three tenths**.



Three tenths  $\frac{3}{10}$

**Model:**

These sentences describe the seeds Sarah planted:



$\frac{6}{10}$  of the seeds grew

**(6 out of 10 seeds grew)**

**How many did not grow?  $6 + ? = 10$**

$\frac{4}{10}$  did not grow

$$\frac{6}{10} + \frac{4}{10} = \frac{10}{10}$$

**Now you try:** Karl's did a sports club.

$\frac{3}{10}$  of the children turned up on time.

**How many children were late?**

**Think!  $3 + ? = 10$**

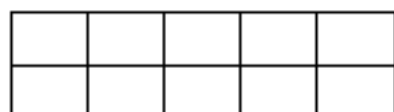


**Maths - activity**



# Tenths

1 Tick the pictures that show tenths.



2 Write fractions to complete the sentences.

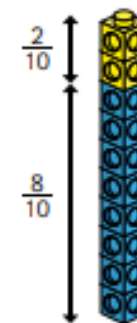


a)  of the counters are yellow.

b)  of the counters are red.

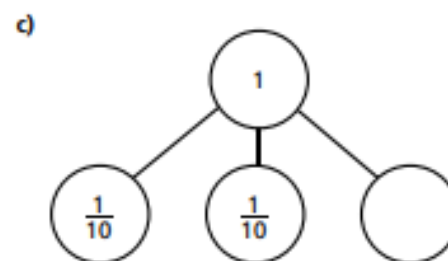
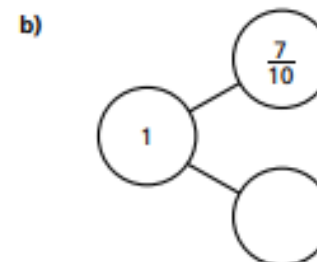
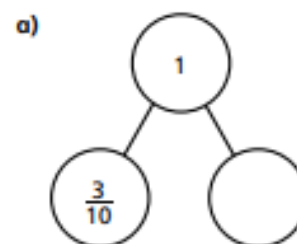
c)  of the counters are green.

3 Amir has some blue and yellow cubes.  
He makes a tower using 10 cubes.

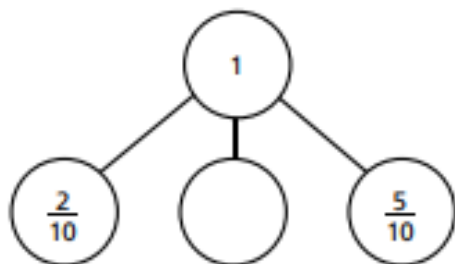


Investigate how many different towers Amir can make with 10 cubes, if every tower has a different fraction of blue and yellow cubes.

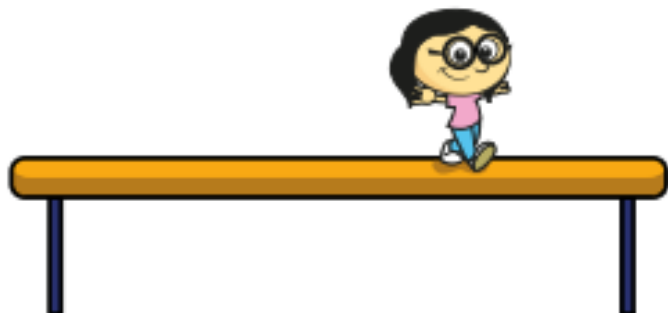
4 Complete the part-whole models.



d)



- 5 Annie has travelled  $\frac{7}{10}$  of the way across a balance beam.



How many tenths does she have left to travel?

- 6 10 boys share 3 pizzas equally.



What fraction of a pizza do they each get?

- 7 Dani has a bag of sweets.

$\frac{1}{2}$  of the sweets are red.

$\frac{3}{10}$  of the sweets are yellow.

The rest are green.

What fraction of the sweets are green?



- 8 Mo also has a bag of sweets.

$\frac{4}{10}$  of his sweets are red.

The rest are green or yellow.

What fraction of Mo's sweets could be green?

What fraction could be yellow?

How many possible answers can you find?

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