



**Lesson 31 LO: To problem solve using halves and quarters**

1. Halve each of the foods.
2. Write what Jeff Bob and Jumanji would each have to eat.
3. Challenge: Divide the foods between 4 orangutans – what do they each get now?

Jeff Bob and Jumanji are having a picnic. The picture below shows you what they have brought to share equally between them.

**Can you tell me what each of them will have?**



**Task 1:**

I found the answer by dividing the total number of each item of food by 2 (because there were two orangutans). Each ape will have - 2 slices of pizza, 4 tomatoes, a carton of orange juice, half an apple and 2 muffins.

**Task 2:**

If we share between four apes each orangutan would get 1 slice of pizza or  $\frac{1}{4}$  of the pizza. They would get 1 muffin each because there are 4 and that shares easily by 4 people. For the tomatoes, 8 divided by 4 equals 2, so they each get 2. The apple would be equally cut into 4 slices or quarters. If the carton was 200ml, for example, each person would get 100ml because half of 200 is 100. Two orangutans would share one carton.

Maths – Main activity **ANSWERS**

Fractions on a number line



1 Draw an arrow to show the fractions on the number lines.



Are your answers accurate or are they estimates?



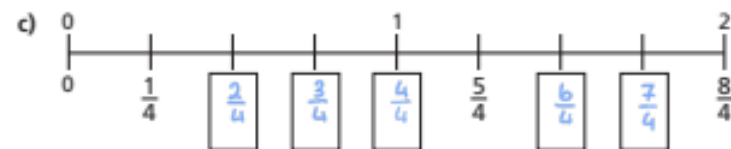
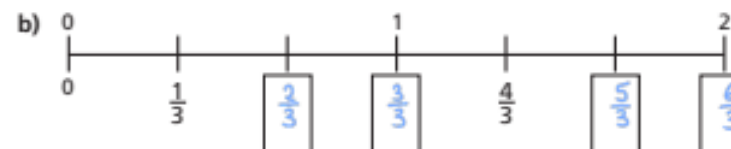
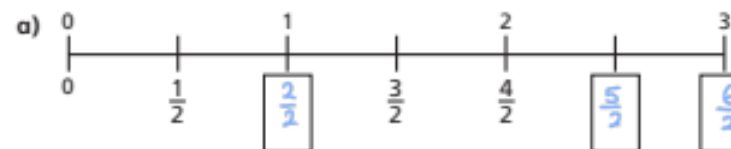
2 Write  $<$ ,  $>$  or  $=$  to compare the fractions.

a)  $\frac{1}{2} > \frac{1}{4}$

b)  $\frac{1}{4} < \frac{1}{3}$

c)  $\frac{1}{3} < \frac{1}{2}$

3 Write the missing fractions on the number lines.



d) Write three fractions that are equivalent to one whole.

Use the number lines to help you.

$\frac{4}{4}$   $\frac{3}{3}$   $\frac{2}{2}$

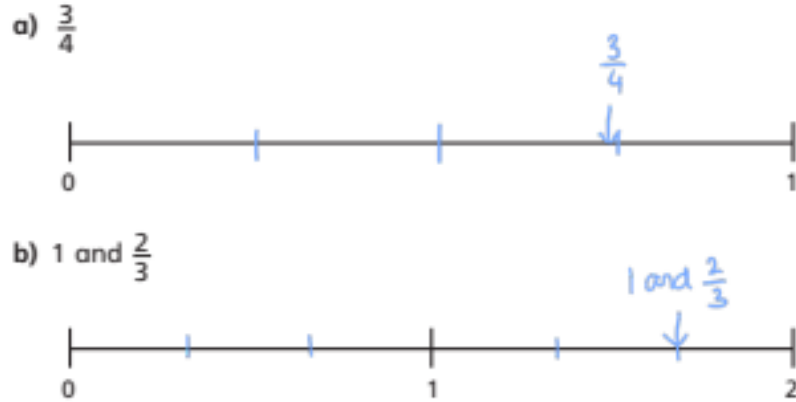
What do you notice?

The numerator is equal to the denominator.

Canonbury Home Learning



4 Draw an arrow to estimate where each fraction belongs on the number line.

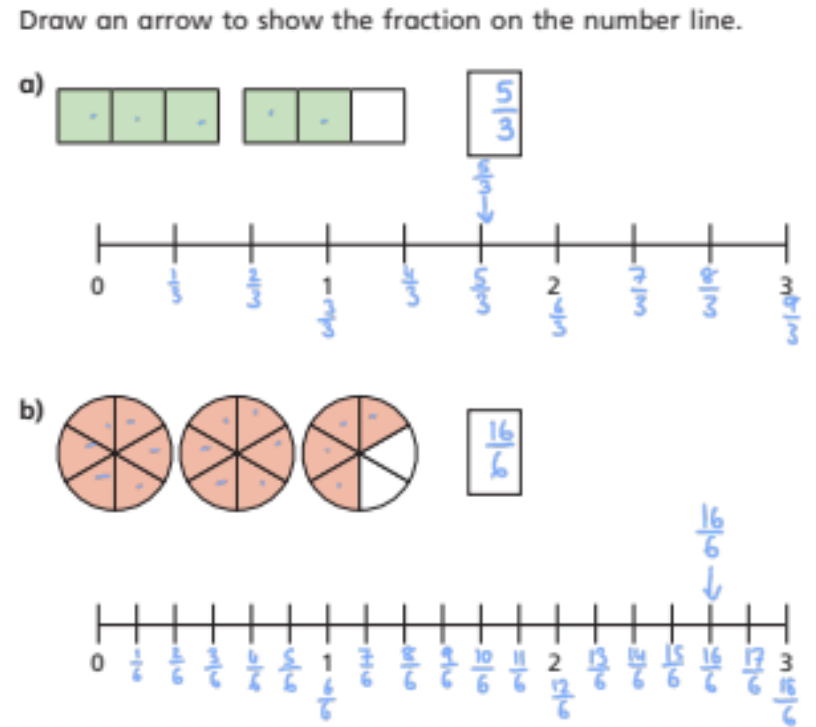


5 Write each fraction under the correct heading.

$\frac{2}{3}$	$\frac{4}{4}$	$\frac{5}{3}$	$\frac{1}{8}$	$\frac{3}{3}$
$\frac{3}{4}$	$\frac{7}{4}$	$\frac{8}{8}$	$\frac{7}{8}$	

Less than one whole	Equal to one whole	More than one whole
$\frac{2}{3}$ $\frac{3}{4}$ $\frac{1}{8}$	$\frac{4}{4}$ $\frac{8}{8}$ $\frac{3}{3}$	$\frac{5}{3}$ $\frac{7}{8}$

6 What fraction is shown in each diagram?



7



One eighth is greater than one quarter.

Do you agree with Teddy? NO

Use the number line to show why.

