



Lesson 36 LO: To find $\frac{3}{4}$ of an amount (continued)



3
—
4

Numerator

(number on the top)

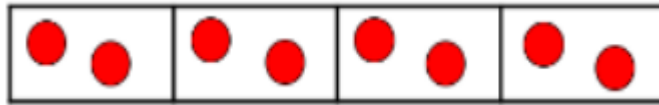
Denominator

(number on the bottom)

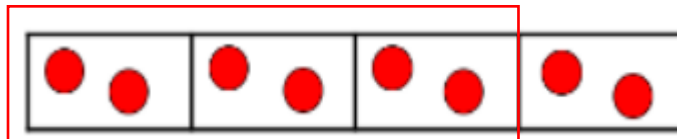
1. Divide the amount into 4 equal groups.
2. To find three quarters, count how many altogether in 3 of the groups.

Model:

Jumanji shares 8 smarties into 4 equal groups (quarters).



To **find three quarters** of the amount of smarties, Jumanji **counts how many in three of the groups**.



$\frac{3}{4}$ of 8 smarties is 6 smarties.

Now you try:

Use toys or objects to divide into 4 equal groups to help you fill in the blanks:

$$\frac{1}{4} \text{ of } 24 = \square$$

$$\frac{2}{4} \text{ of } 24 = \square$$

$$\frac{3}{4} \text{ of } 24 = \square$$

$$\frac{4}{4} \text{ of } 24 = \square$$



5 Year 2 are planting sunflower seeds.

Annie has 4 pots and 12 seeds.

She plants the same number of seeds in each pot.

a) Draw the seeds she puts in each pot.



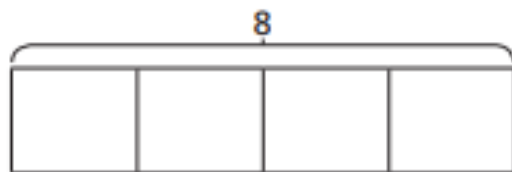
b) Complete the number sentences.

$$\frac{1}{4} \text{ of } 12 = \square$$

$$\frac{3}{4} \text{ of } 12 = \square$$

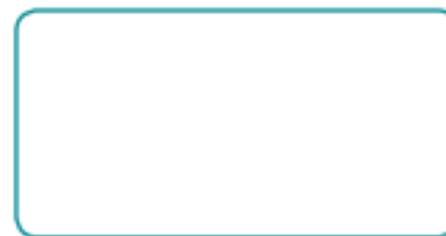
6 The bar model is split into 4 equal parts.

a) What is the value of each part?
 Label it on the bar model.



b) Use the bar model to find $\frac{3}{4}$ of 8

7 Draw a bar model to find $\frac{3}{4}$ of 40



$$\frac{3}{4} \text{ of } 40 = \square$$

8 Write <, > or = to compare the statements.

a) $\frac{1}{4}$ of 4 $\frac{3}{4}$ of 4

b) $\frac{1}{2}$ of 20 $\frac{3}{4}$ of 20

9 Scott has some seeds.

He puts $\frac{3}{4}$ of the seeds into his hand.



He puts the rest of the seeds on the table.

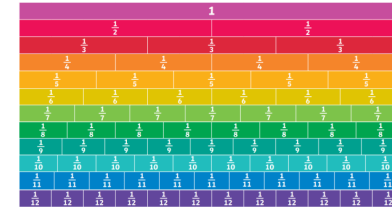
How many seeds does Scott have in his hand?

Use a bar model to help you.

LO: To find equivalent fractions (continued)

Success Criteria:

Use the fraction wall on the last page to help with comparing fractions to find equivalents



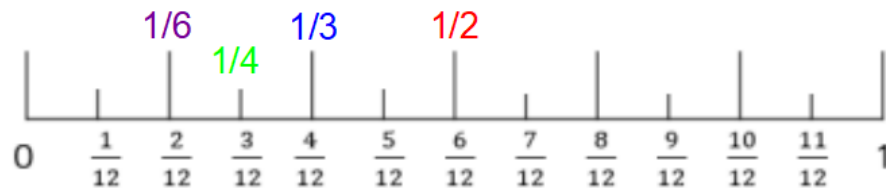
1. Draw two equal lengthed bars on top of each other.
2. Divide each bar into EQUAL parts according to what the denominator is in each fraction
3. Colour the parts according to what the numerator is in each fraction
4. If the coloured parts are inline with each other, the fractions are equivalent.

RECAP!

EQUIVALENT means EQUAL or THE SAME AS.

A number line divided into twelfths can also show halves, thirds, quarters and sixths.

Model:



Split the number line equally into 3 parts to find thirds.

Split the number line equally into 4 parts to find quarters.

Split the number line equally into 6 parts to find sixths.

Now you try:



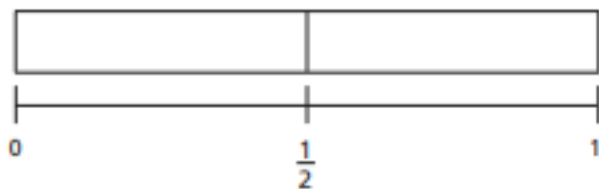
Mark on these fractions which are equivalent to twelfths: $\frac{3}{4}$ $\frac{2}{6}$ $\frac{2}{3}$

Then write the number sentence to show the equivalents for these fractions e.g. $\frac{1}{3} = \frac{4}{12}$

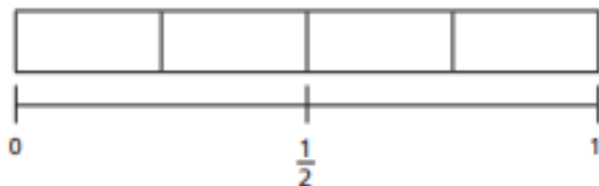
Equivalent fractions (2)

1 Shade the bar models to represent the fractions.

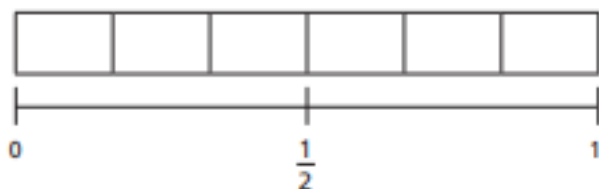
a) Shade $\frac{1}{2}$ of the bar model.



b) Shade $\frac{2}{4}$ of the bar model.



c) Shade $\frac{3}{6}$ of the bar model.



d) What do you notice?

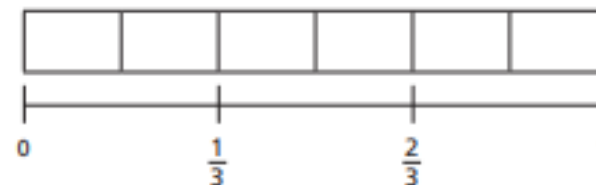
e) Write another fraction that is equivalent to $\frac{1}{2}$

Maths

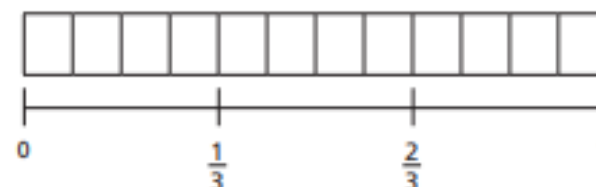


2 Shade $\frac{2}{3}$ of each bar model.

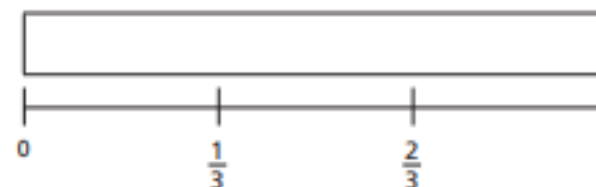
a)



b)



c)

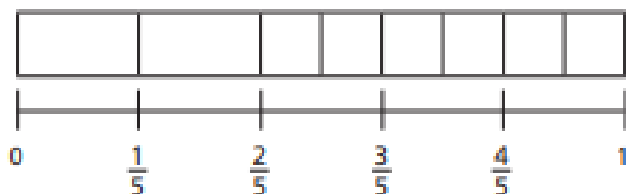
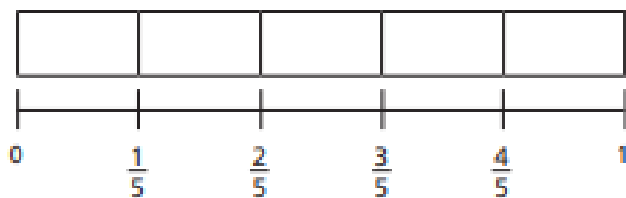


d) Use your answers to parts a), b) and c) to complete the equivalent fractions.

$$\frac{2}{3} = \frac{\square}{6} = \frac{8}{\square} = \frac{\square}{15}$$

Canonbury Home Learning

3 Mo is finding equivalent fractions.

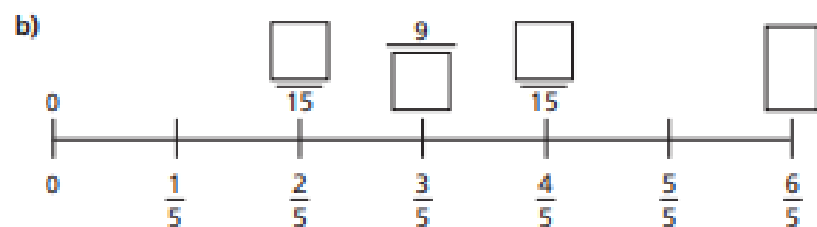
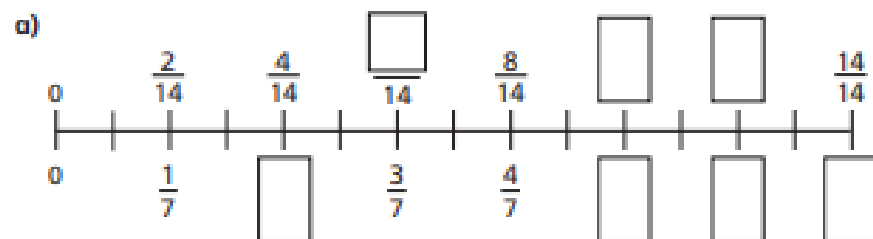


$\frac{6}{8}$ is equivalent to $\frac{4}{5}$

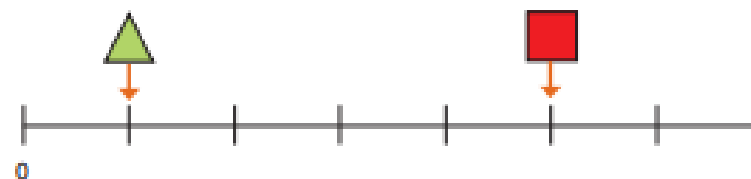
Do you agree with Mo? _____

Explain your answer.

4 Find the missing numbers.



5 Here is a number line.



a) What fraction is each shape pointing to?

= =

b) A circle is halfway between the triangle and the square.

Draw the circle on the number line.

c)

The circle is pointing to $\frac{9}{21}$

Do you agree with Eva? _____

Show how you worked this out.

d) Write three equivalent fractions for each shape.

Compare answers with a partner.

