



3  
—  
4

**Numerator**

(number on the top)

**Denominator**

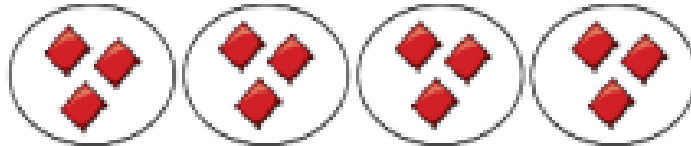
(number on the bottom)

**Lesson 35 LO: To find  $\frac{3}{4}$  of an amount**

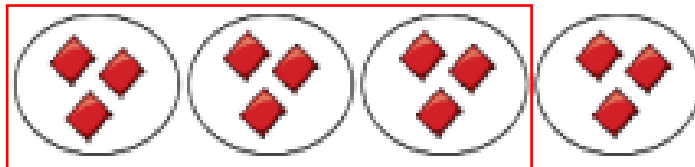
1. Divide the amount into 4 equal groups.
2. To find three quarters, count how many altogether in 3 of the groups.

**Model:**

Hayden shares 12 beanbags into 4 equal groups (quarters).



To **find three quarters** of the amount of beanbags, Hayden **counts how many in three of the groups.**



$\frac{3}{4}$  of 12 beanbags is 9 beanbags.

**Now you try:**

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

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

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

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

$$\frac{3}{4} \text{ of } 8 = \square$$

**Find three quarters**



1 Tick the representations that show  $\frac{3}{4}$

2 Colour  $\frac{3}{4}$  of each shape.



3 Rosie is sharing out 16 strawberries.  
 She shares them into 4 equal groups.



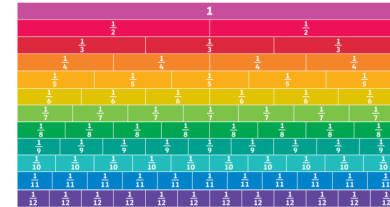
- a) What is  $\frac{1}{4}$  of the strawberries?  
 $\frac{1}{4}$  of 16 =
- b) What is  $\frac{2}{4}$  of the strawberries?  
 $\frac{2}{4}$  of 16 =
- c) What is  $\frac{3}{4}$  of the strawberries?  
 $\frac{3}{4}$  of 16 =
- d) What is  $\frac{4}{4}$  of the strawberries?  
 $\frac{4}{4}$  of 16 =

4 Work out  $\frac{3}{4}$  of £20



£

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



**LO: To find equivalent fractions**

**Success Criteria:**

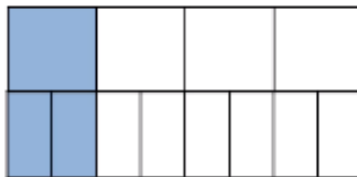
1. Draw two equal lengthed bars on top of each other.
2. Divide each bar into EQUAL parts according to what the denominator is in each fraction
3. Colour the parts according to what the numerator is in each fraction
4. If the coloured parts are inline with each other, the fractions are equivalent.

**RECAP!**

**EQUIVALENT means EQUAL or THE SAME AS.**

If we want to compare fractions to find equivalents we need to make the bar models the same size:

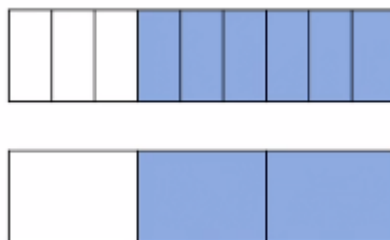
**Model:**



$\frac{1}{4}$  is equivalent to  $\frac{2}{8}$  and  $\frac{2}{8}$  is equivalent to  $\frac{1}{4}$

Is  $\frac{6}{9}$  equivalent to  $\frac{2}{3}$ ?

Let's see:



The parts coloured in are inline with each other when we compare, so YES they are equivalent!

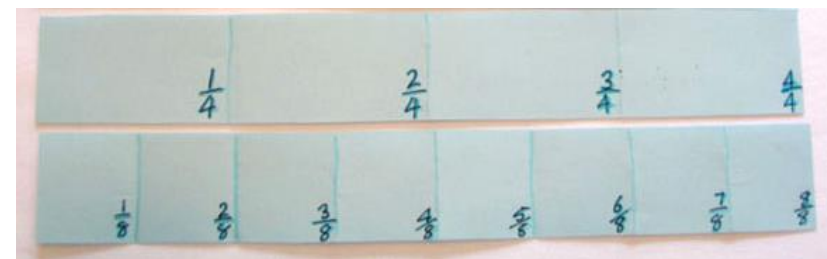
**TASK 1:**

Use two strips of equal sized paper. Fold one strip into quarters and the other into eighths.

Place the quarters on top of the eighths and lift up one quarter, how many eighths can you see?

How many eighths are equivalent to one quarter?

Which other equivalent fractions can you find?





## Equivalent fractions (1)

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.

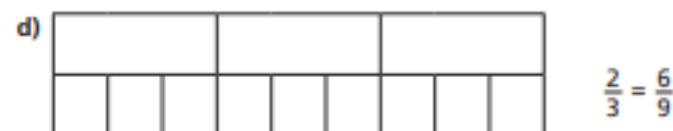
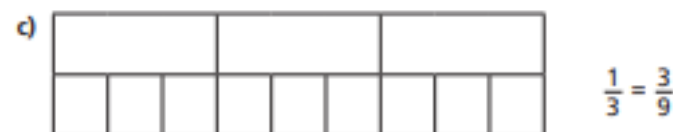
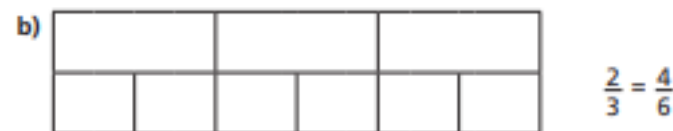


What do you notice?

2 Complete the equivalent fractions.



3 Shade the bar models to represent the equivalent fractions.



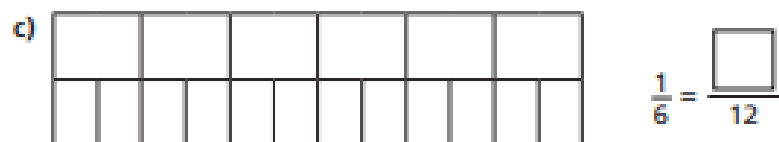
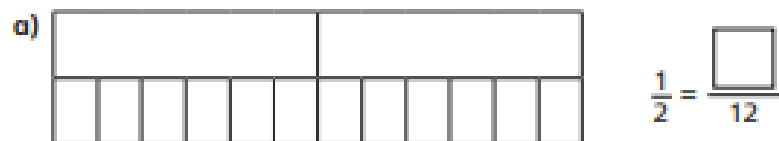
Can you find any more equivalent fractions using the bar models?

Canonbury Home Learning

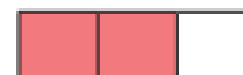
4 Match each bar model to its equivalent fraction.



5 Shade the bar models to complete the equivalent fractions.



6 The bar models represent fractions.



A



C



B



D

Which is the odd one out? \_\_\_\_\_

Why do you think this?

7 This bar model represents  $\frac{3}{4}$



Tick the bar models that can be used to show a fraction that is equivalent to  $\frac{3}{4}$

Shade the bar models to support your answers.



Talk to a partner about your answers.

