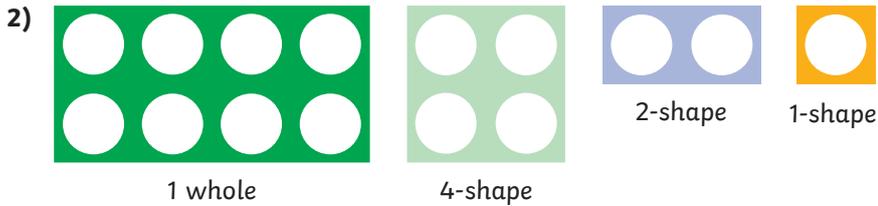
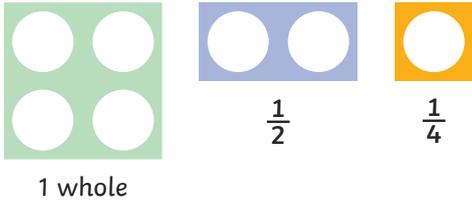




1) How many quarters are the same as  $\frac{1}{2}$ ?



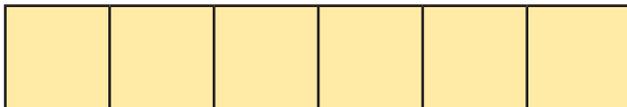
Copy and complete the sentences:

- a) A 4-shape is equivalent to \_\_\_\_\_ of 1 whole.
- b) A 2-shape is equivalent to \_\_\_\_\_ of 1 whole.
- c) A 1-shape is equivalent to \_\_\_\_\_ of 1 whole.

Answer these questions:

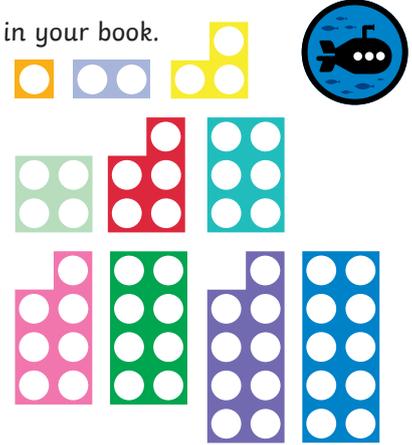
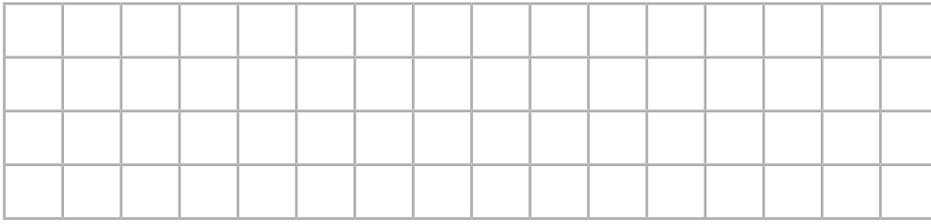
- d) How many 2-shapes are equivalent to 1 whole? \_\_\_\_\_
- e) How many 1-shapes are equivalent to 1 whole? \_\_\_\_\_
- f) How many 4-shapes are equivalent to 1 whole? \_\_\_\_\_

3) The yellow cubes are joined to make 1 whole.

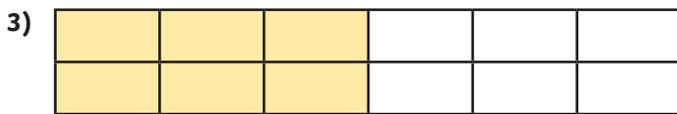
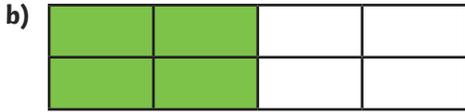


- a) What fraction of the whole does 1 cube represent? \_\_\_\_\_
- b) How many cubes represent  $\frac{1}{3}$  of the whole? \_\_\_\_\_
- c) How many sixths are equivalent to  $\frac{1}{3}$ ? \_\_\_\_\_

1) Use number shapes and cubes to represent  $\frac{1}{4}$  in different ways and record them in your book.



2) Explain how the diagram represents both  $\frac{1}{2}$  and  $\frac{2}{4}$ .



The bar model shows that  $\frac{1}{2}$  is equivalent to  $\frac{6}{12}$ .



a) Do you agree with Kelsey? Use reasoning to explain your answer.

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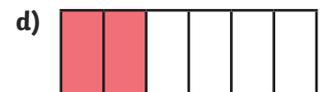
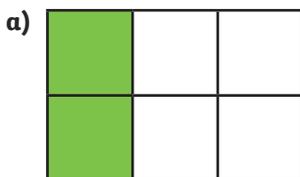
b) Which of these fractions is  $\frac{1}{2}$  and  $\frac{6}{12}$  also equivalent to? Explain how you know.  $\frac{1}{3}$     $\frac{3}{6}$     $\frac{2}{6}$

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4) Which of the bar models is the odd one out? Circle and explain your answer.




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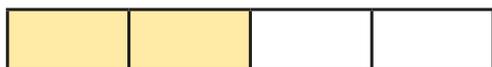


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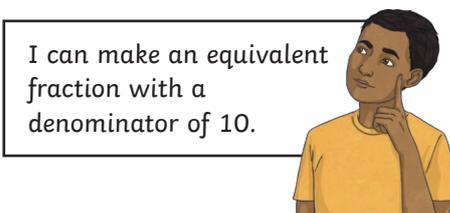


1) Two friends are discussing the bar model.

Which of the two friends do you agree with? Use reasoning to explain your answer.



I can make an equivalent fraction with a denominator of 8.



I can make an equivalent fraction with a denominator of 10.

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2) Do you agree with Ahmed? Within your explanation, provide examples where this may or may not be true.



When a denominator is an odd number, you cannot have an equivalent fraction.

Ahmed

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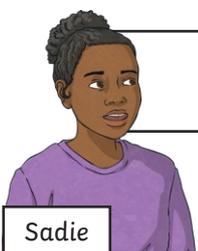


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3) Do you agree with Sadie? Use reasoning to explain your answer.



All of these fractions are equivalent to  $\frac{3}{8}$ .

Sadie

$\frac{6}{16}$



$\frac{9}{12}$




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4) Sort the fractions into the table. If it is not equivalent to  $\frac{1}{4}$  or  $\frac{1}{3}$  write an example of a fraction it is equivalent to.

$\frac{8}{32} \quad \frac{2}{9} \quad \frac{4}{16} \quad \frac{2}{6} \quad \frac{3}{7}$

$\frac{8}{24} \quad \frac{4}{10} \quad \frac{4}{12} \quad \frac{2}{8}$

Equivalent to $\frac{1}{4}$	Equivalent to $\frac{1}{3}$	Equivalent to a Different Fraction