Fractions

Week beginning 11th May

ANSWERS

Monday 11th May 2020

L.O. I am learning to find fractions of amounts (3).

Key vocabulary: whole part fraction divide out of group set **numerator denominator**

I will check your work for you.

Send me your answers on Google Classroom to check.

Or you can write your answers down and send me a photo on Google Classroom, whatever is easier ☺

Tuesday 12th May 2020

L.O. I am learning to show equivalent fractions (1).

Key vocabulary: fraction equal represent equivalent bar model **numerator denominator**

Check your answers.

If you make a mistake, try and work out where it went wrong.

Equivalent fractions (1)

1 Shade the bar models to represent the fractions.

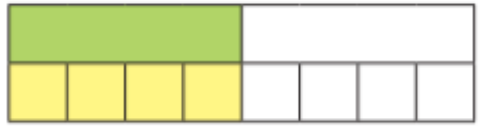
a) Shade $\frac{1}{2}$ of the bar model.

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

What do you notice?

2 Complete the equivalent fractions.

a)



$\frac{1}{2} = \frac{\boxed{4}}{8}$

b)

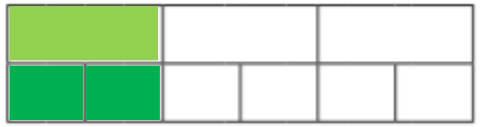
$\frac{1}{4} = \frac{2}{\boxed{8}}$

c)

$\frac{3}{4} = \frac{6}{\boxed{8}}$

3 Shade the bar models to represent the equivalent fractions.

a)



$\frac{1}{3} = \frac{2}{6}$

b)

$\frac{2}{3} = \frac{4}{6}$

c)

$\frac{1}{3} = \frac{3}{9}$

d)

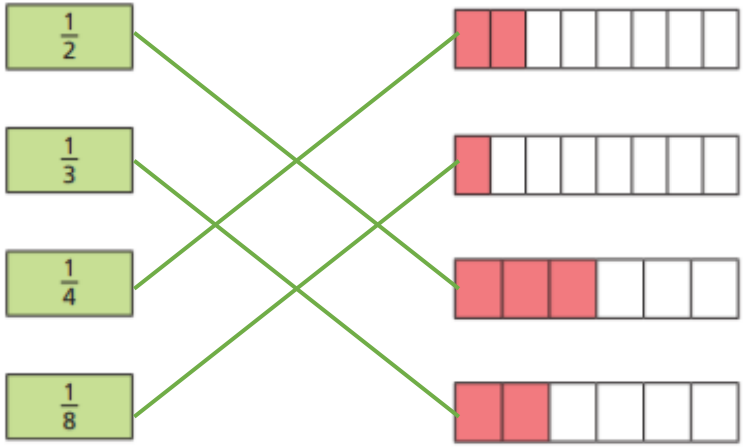
$\frac{2}{3} = \frac{6}{9}$

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

Check your answers.

If you make a mistake, try and work out where it went wrong.

4 Match each bar model to its equivalent fraction.



5 Shade the bar models to complete the equivalent fractions.

a) 

$\frac{1}{2} = \frac{6}{12}$

b) 

$\frac{1}{3} = \frac{4}{12}$

c) 

$\frac{1}{6} = \frac{2}{12}$

6 The bar models represent fractions.

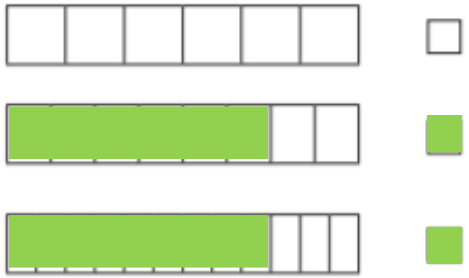
Which is the odd one out? B

Why do you think this? A, C and D show equivalent fractions of $\frac{2}{3}$ but B shows $\frac{3}{4}$

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.

Check your answers.

If you make a mistake, try and work out where it went wrong.

This is the odd one out because the other fractions are all equivalent to $\frac{1}{2}$

The diagram is divided in to six equal parts and four out of the six are yellow. You can also see three **columns** and two columns are yellow.

Mo is correct. He could make three ninths which is equivalent to one third.

Dora is incorrect. She has a misconception that you can only double to find equivalent fractions.

Wednesday 13th May 2020

L.O. I am learning to make equivalent fractions (2).

Key vocabulary: fraction equal represent equivalent number line **numerator denominator**

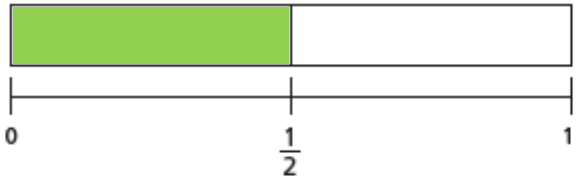
Check your answers.

If you make a mistake, try and work out where it went wrong.

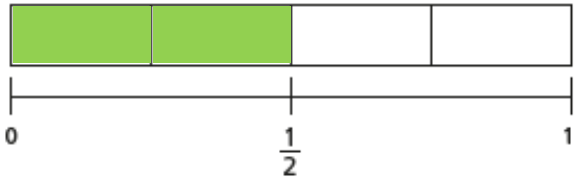
Equivalent fractions (2)

1 Shade the bar models to represent the fractions.

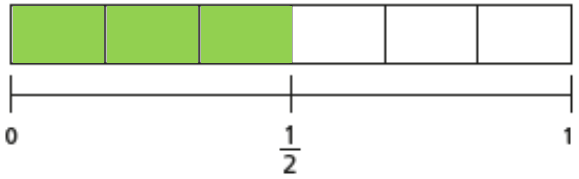
a) Shade $\frac{1}{2}$ of the bar model.



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



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



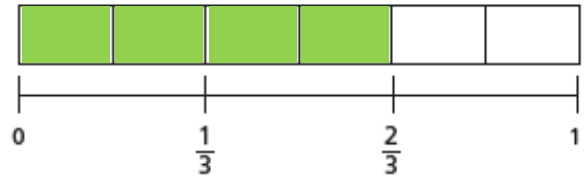
d) What do you notice?

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

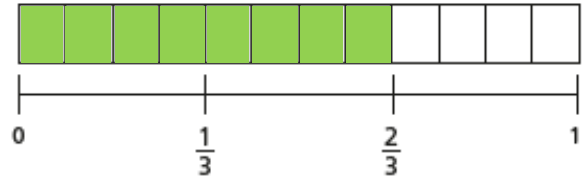
$\frac{2}{2}$

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

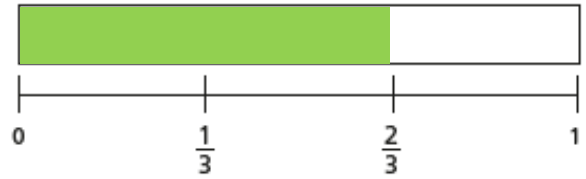
a)



b)



c)



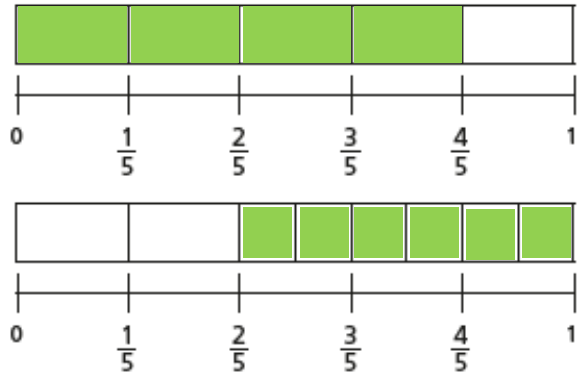
d) Use your answers to parts a), b) and c) to complete the equivalent fractions.

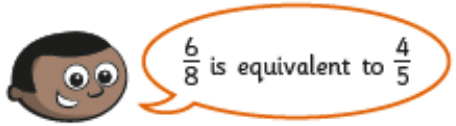
$$\frac{2}{3} = \frac{\boxed{4}}{6} = \frac{8}{\boxed{12}} = \frac{\boxed{10}}{15}$$

Check your answers.

If you make a mistake, try and work out where it went wrong.

3 Mo is finding equivalent fractions.



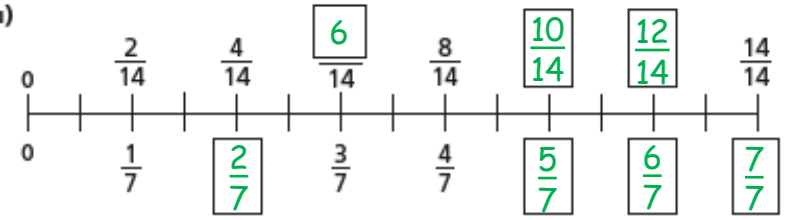


Do you agree with Mo? No

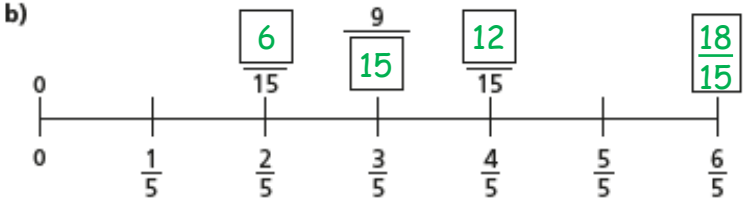
Explain your answer. Mo did not divide the bar model equally when making eighths. They are not equivalent.

4 Find the missing numbers.

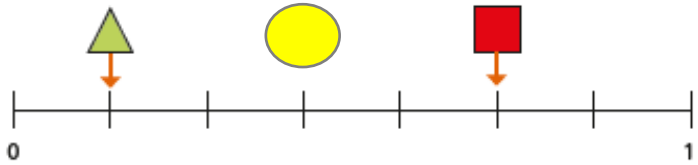
a)



b)



5 Here is a number line.



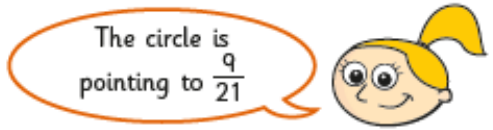
a) What fraction is each shape pointing to?

△ = 1/7 ■ = 5/7

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

Draw the circle on the number line.

c)



Do you agree with Eva? Yes

Show how you worked this out.

The circle is pointing to 3/7, if we multiply both the numerator and denominator by 3, we get 9/21 which is an equivalent fraction.

d) Write three equivalent fractions for each shape.

△ 2/14 3/21 4/28 ○ 6/14 9/21 12/28

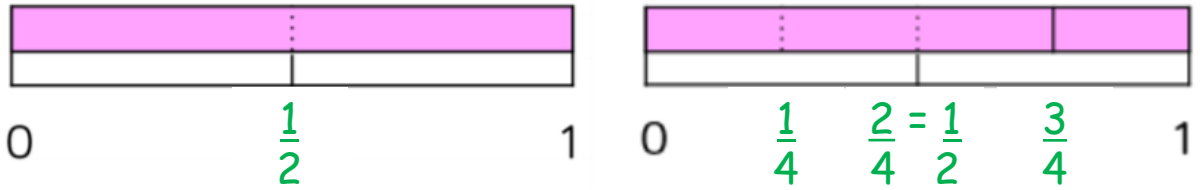
■ 10/14 15/21 20/28

Compare answers with a partner.

Check your answers.

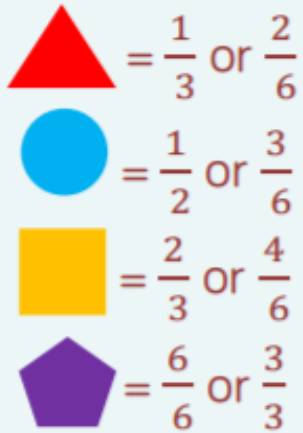
If you make a mistake, try and work out where it went wrong.

Use the models on the number line to identify the missing fractions. Which fractions are equivalent?



Alex is correct. Tommy's top number line isn't split into equal parts which means he cannot find the correct equivalent fraction.

- Circle
- Triangle
- Square
- Pentagon



Accept other correct equivalences

Thursday 14th May 2020

L.O. I am learning to make equivalent fractions (3).

Key vocabulary: fraction equal represent equivalent fraction wall **numerator denominator**

I will check your work for you.

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Friday 15th May 2020

L.O. I am learning to solve fraction challenges.

Key vocabulary: fraction equal represent equivalent fraction wall **numerator denominator**

Check your answers.

If you make a mistake, try and work out where it went wrong.

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1.	$\frac{3}{6}$	3.	$\frac{6}{10}$	5.	$\frac{10}{10}$	7.	$\frac{2}{5}$
2.	$\frac{2}{6}$	4.	$\frac{5}{10}$	6.	$\frac{2}{6}$	8.	$\frac{3}{5}$

★★

1.	$\frac{3}{6}$	5.	$\frac{2}{12}$	9.	$\frac{9}{12}$	13.	$\frac{4}{12}$
2.	$\frac{2}{8}$	6.	$\frac{4}{8}$	10.	$\frac{3}{12}$	14.	$\frac{8}{12}$
3.	$\frac{3}{4}$	7.	$\frac{2}{4}$	11.	$\frac{3}{4}$	15.	$\frac{2}{4}$
4.	$\frac{6}{12}$	8.	$\frac{4}{6}$	12.	$\frac{3}{6}$	16.	$\frac{5}{6}$

★★★

1.	$\frac{2}{4}$	$\frac{3}{6}$	7.	$\frac{2}{4}$	$\frac{6}{12}$	13.	$\frac{4}{12}$	$\frac{1}{3}$
2.	$\frac{2}{8}$	$\frac{3}{12}$	8.	$\frac{4}{6}$	$\frac{6}{9}$	14.	$\frac{8}{12}$	$\frac{2}{3}$
3.	$\frac{3}{4}$	$\frac{6}{8}$	9.	$\frac{9}{12}$	$\frac{6}{8}$	15.	$\frac{1}{4}$	$\frac{3}{12}$
4.	$\frac{6}{8}$	$\frac{9}{12}$	10.	$\frac{2}{8}$	$\frac{3}{12}$	16.	$\frac{4}{6}$	$\frac{2}{3}$
5.	$\frac{2}{12}$	$\frac{4}{24}$	11.	$\frac{3}{4}$	$\frac{9}{12}$	Accept any correct equivalent fraction for the third answer to each question.		
6.	$\frac{4}{8}$	$\frac{3}{6}$	12.	$\frac{3}{6}$	$\frac{2}{4}$			