Class 3 Home Learning, week beginning 11th May 2020

Maths - Year 3

Summer Term, Week 1
(w/c 20 April)

Lesson 1
Equivalent fractions (2)

Please watch the video before choosing your challenge.

Why not have a go at the reasoning and problem solving too?

w/b 11.5.20 Class 3's Home Learning, Maths (Y3)

Can I find equivalent fractions (2)?

Challenge 1

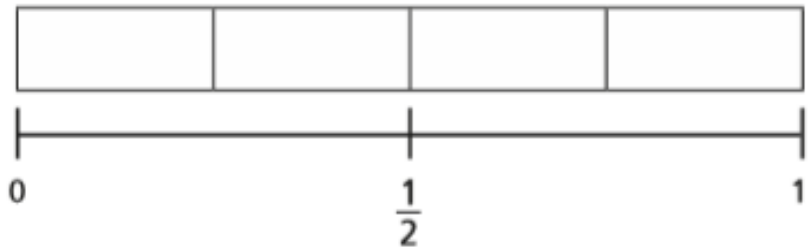
These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

Questions 1-3 mentioned in the video are questions 1-3 in this challenge.

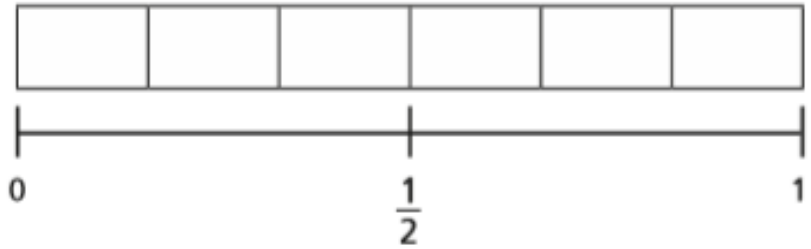
1) Copy and complete.

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.



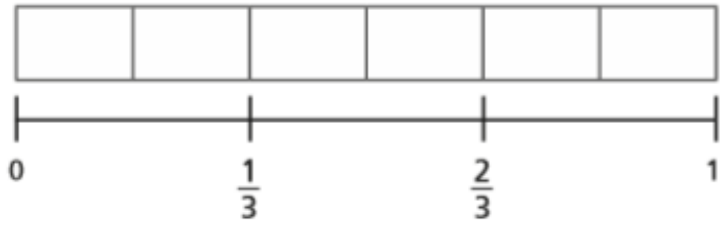
d) What do you notice?

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

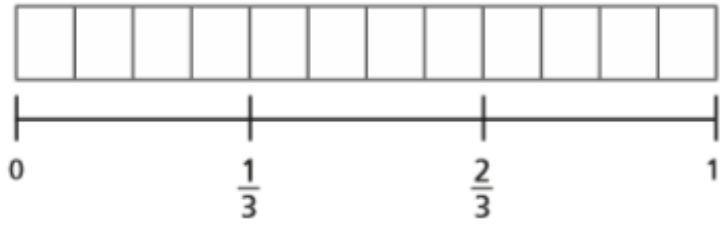
2) Copy and complete.

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

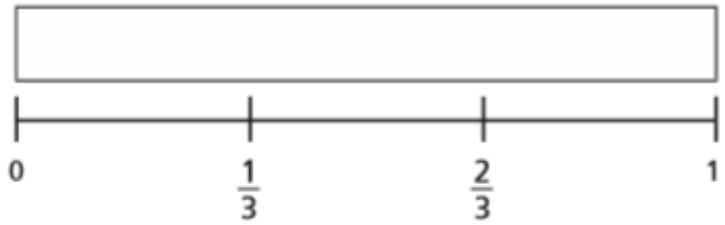
a)



b)



c)

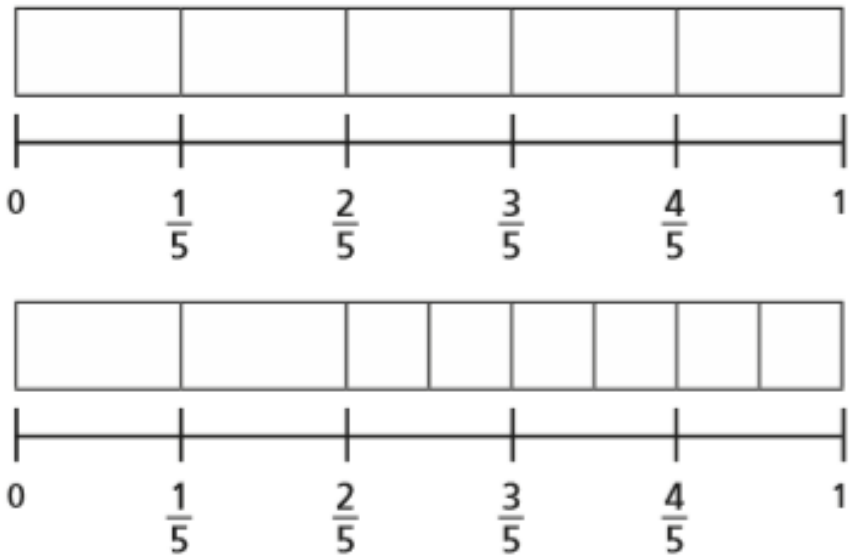


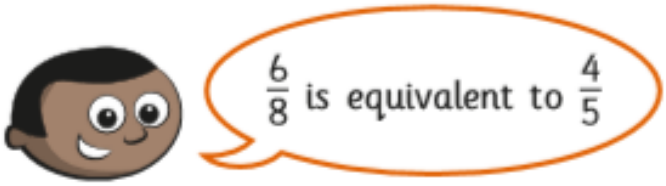
d) Use your answers to parts a), b) and c) to complete the equivalent fractions.

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

3) Drawing two bar models in your maths book of equal length, but one divided into 5 equal sections and the other divided into 8 equal sections, may help you to answer this question.

Mo is finding equivalent fractions.





Do you agree with Mo? _____

Explain your answer.

Answers for all of the above questions can be found on the White Rose Home Learning website.

w/b 11.5.20 Class 3's Home Learning, Maths (Y3)

Can I find equivalent fractions (2)?

Challenge 2

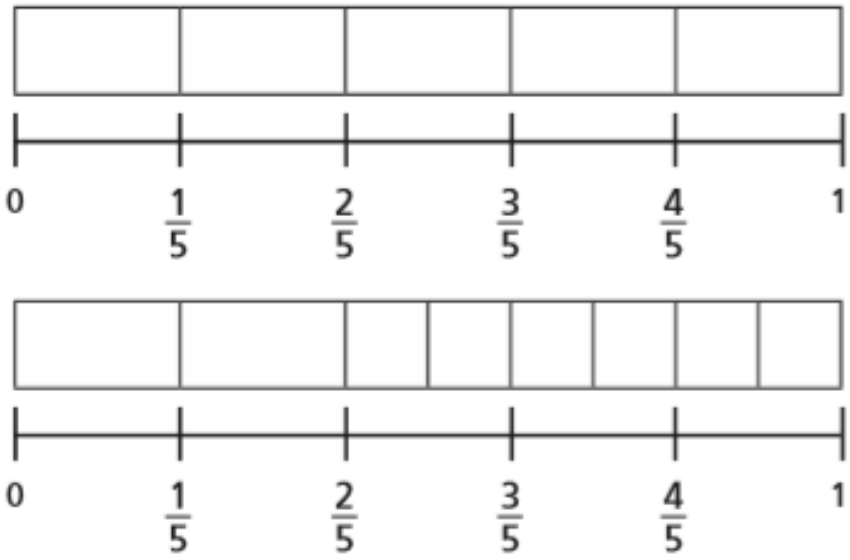
These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

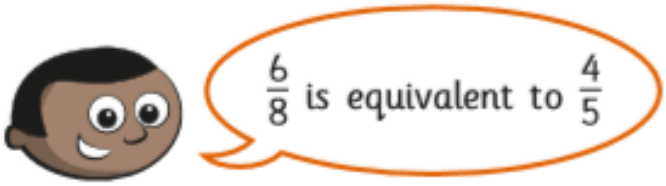
Questions 1-3 mentioned in the video are questions 1-3 in Challenge 1.

Questions 3-5 mentioned in the video are questions 1-3 in this challenge.

1) Drawing two bar models in your maths book of equal length, but one divided into 5 equal sections and the other divided into 8 equal sections, may help you to answer this question.

Mo is finding equivalent fractions.

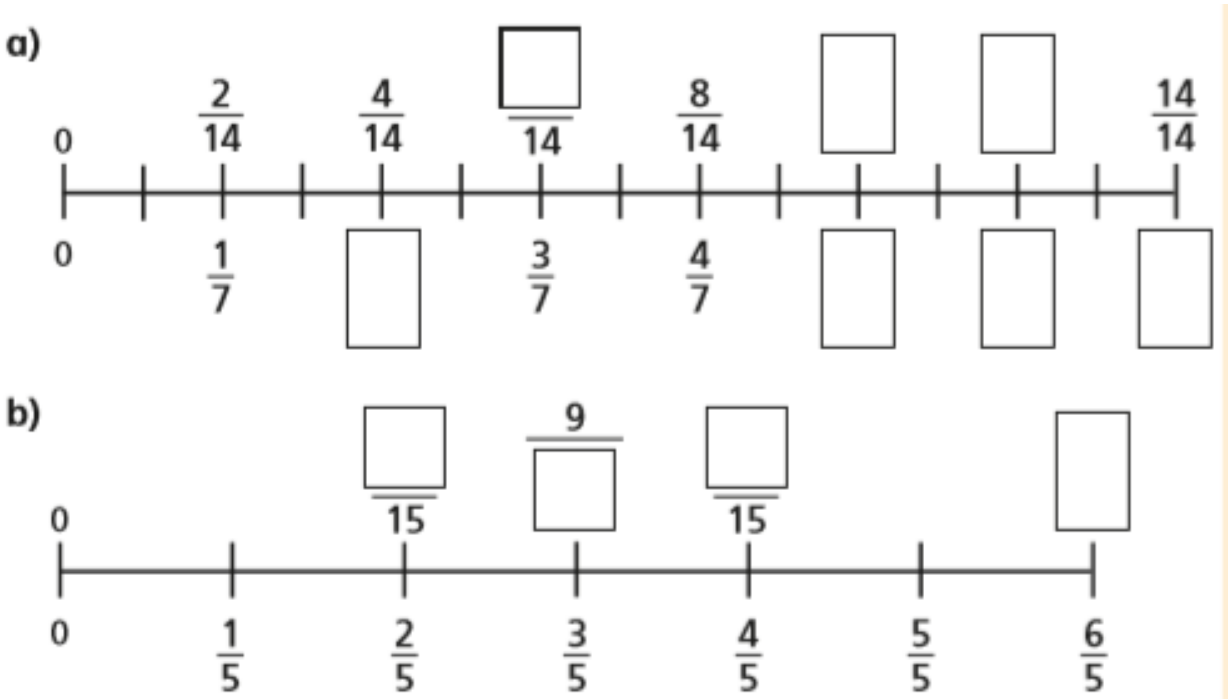




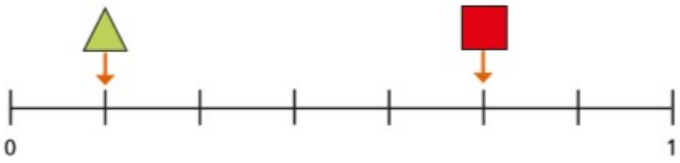
Do you agree with Mo? _____

Explain your answer.

2) Copy and complete



3) Copy the number line in your maths book. Complete the questions.



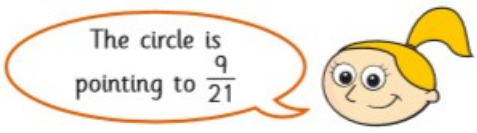
a) What fraction is each shape pointing to?

▲ = ☐ ■ = ☐

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

Draw the circle on the number line.

c)



Do you agree with Eva? _____

Show how you worked this out.

d) Write three equivalent fractions for each shape.

▲ ☐ ☐ ☐ ● ☐ ☐ ☐

■ ☐ ☐ ☐

Answers for all of the above questions can be found on the White Rose Home Learning website.

w/b 11.5.20 Class 3's Home Learning, Maths (Y3)

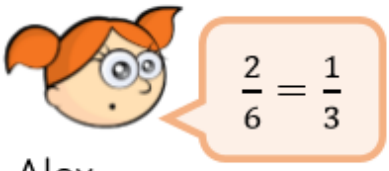
Can I find equivalent fractions (2)?

Reasoning and problem solving

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

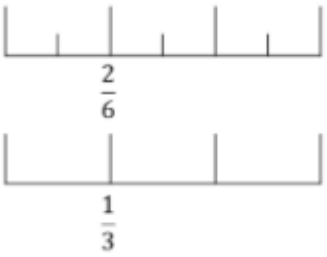
1) Who do you agree with? Please explain in writing.

Alex and Tommy are using number lines to explore equivalent fractions.

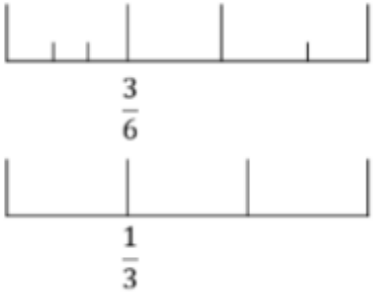


Alex

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

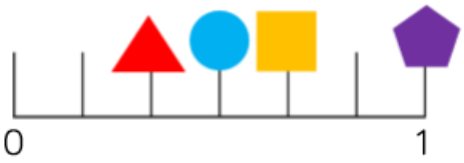


Tommy



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

2)



Use the clues to work out which fraction is being described for each shape.

- My denominator is 6 and my numerator is half of my denominator.
- I am equivalent to $\frac{4}{12}$
- I am equivalent to one whole
- I am equivalent to $\frac{2}{3}$

Can you write what fraction each shape is worth? Can you record an equivalent fraction for each one?

Answers are on the next page.

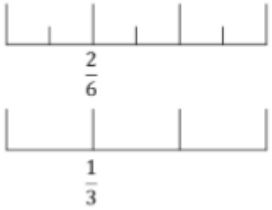
Equivalent Fractions (2)

Reasoning and Problem Solving

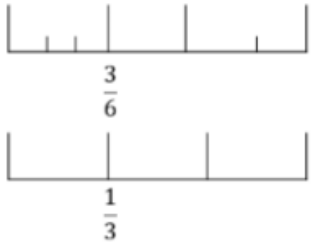
Alex and Tommy are using number lines to explore equivalent fractions.

Alex

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



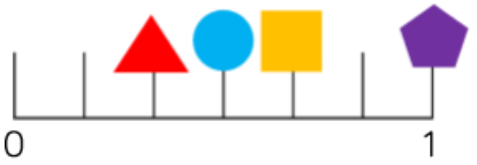
Tommy



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

Who do you agree with? Explain why.

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



Use the clues to work out which fraction is being described for each shape.

- My denominator is 6 and my numerator is half of my denominator.
- I am equivalent to $\frac{4}{12}$
- I am equivalent to one whole
- I am equivalent to $\frac{2}{3}$

Can you write what fraction each shape is worth? Can you record an equivalent fraction for each one?

▲ = ■ =

● = ⬟ =

- Circle
- Triangle
- Square
- Pentagon

▲ $= \frac{1}{3}$ or $\frac{2}{6}$

● $= \frac{1}{2}$ or $\frac{3}{6}$

■ $= \frac{2}{3}$ or $\frac{4}{6}$

⬟ $= \frac{6}{6}$ or $\frac{3}{3}$

Accept other correct equivalences