

13/1/21



Before we start this lesson, you are going to need to get some strips of paper again that are equal in length.

They only need to be fairly thin strips.

In Focus

Fold the paper strips to show halves, quarters and eighths.

Can you also show sixths?



Think about how you have folded the paper in our previous lessons.

Remember, each piece needs to be EQUAL.

In Focus

Fold the paper strips to show halves, quarters and eighths.

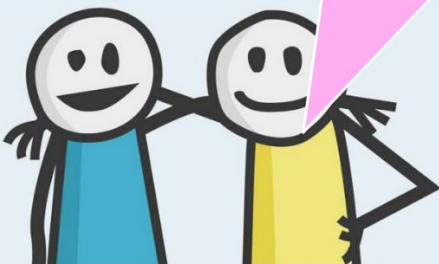
Can you also show sixths?



If you place a number line above or below the folded paper and make markers at each of the folds, you can place the fractions on a number line.

Is this true?

What would this look like?



Explore this on a piece of paper or in your exercise book.

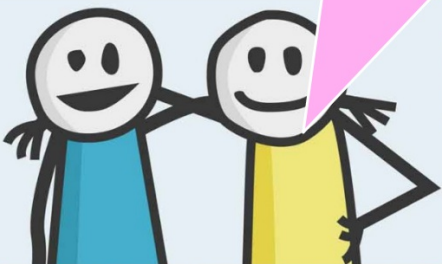
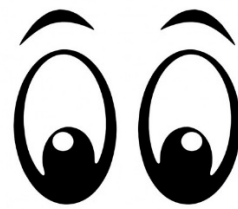
In Focus

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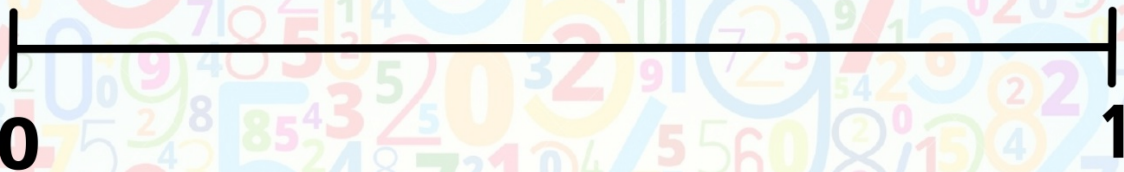


Watch video clip
"Explanation 1"

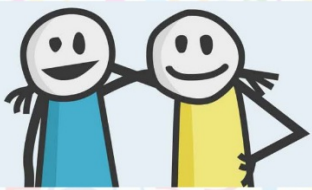


Which number do you think would go at the start of the number line and why?

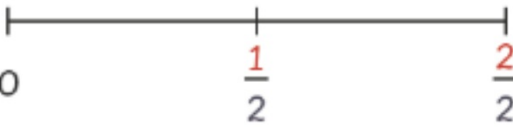
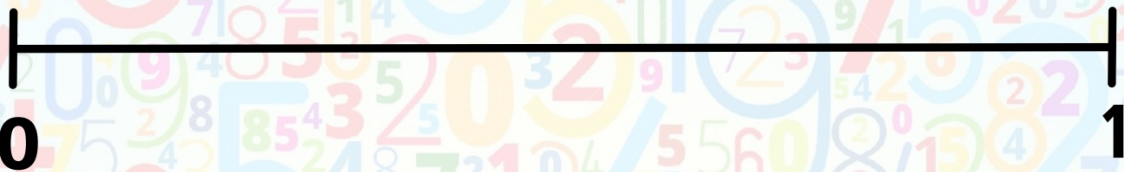
Explore this.



I pretend the number line is just like the measures on the side of a measuring cup. When there is no water in the measuring cup, there is 0.

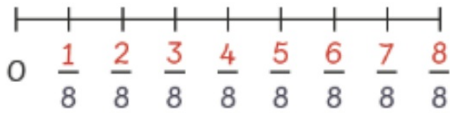
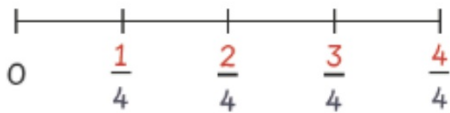
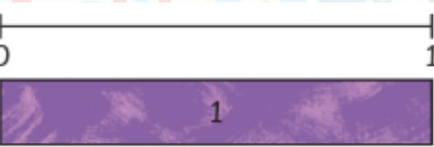
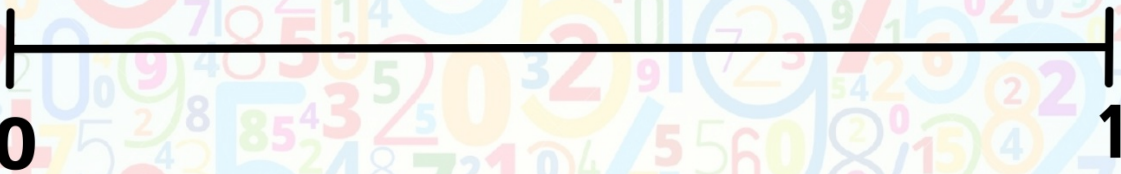


As the cup fills, it is beginning to fill up and make a whole.



We can show fractions on a number line.



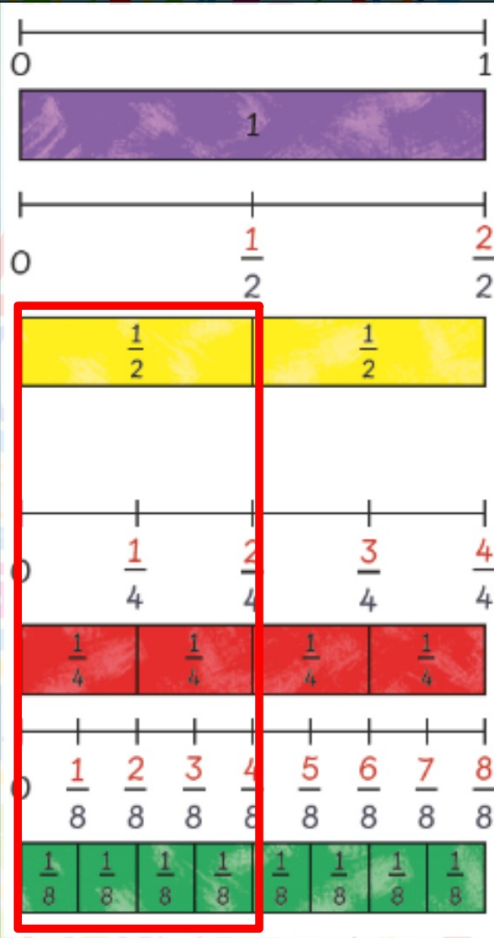


1

What are the equivalent fractions of $\frac{1}{4}$?

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



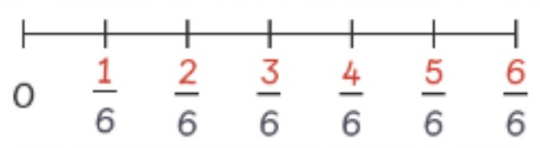


$$\frac{1}{2} = \frac{2}{4} = \frac{4}{8}$$

$\frac{1}{2}$, $\frac{2}{4}$ and $\frac{4}{8}$ are equivalent fractions.

They are equal.

2



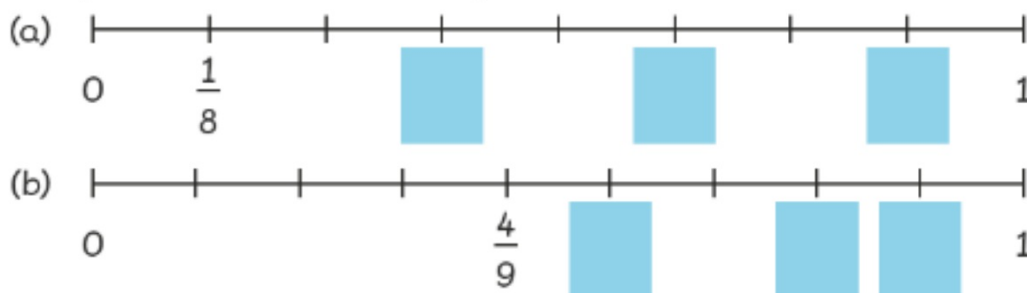
$\frac{1}{2} = \frac{\square}{6}$



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

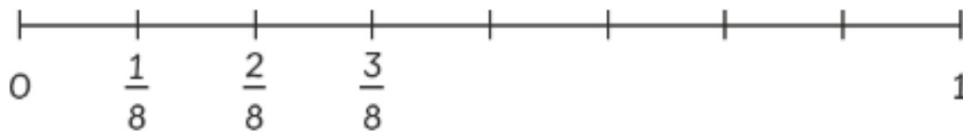
Guided Practice

1 Complete each of the following number lines.



Guided Practice

2 Show these numbers on the number line.



(a) $\frac{5}{8}$

(b) $\frac{3}{4}$

(c) $\frac{1}{2}$

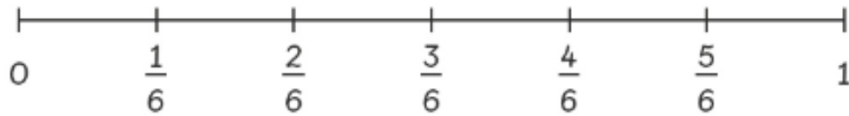
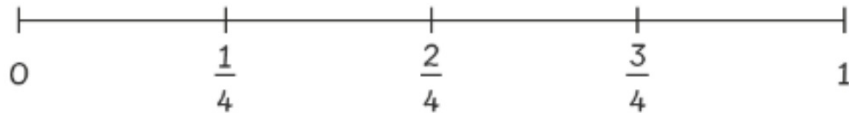
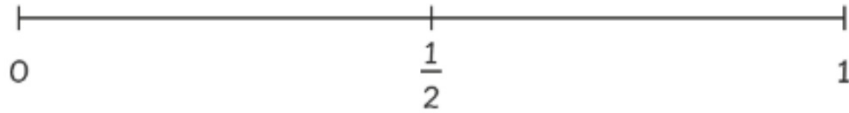
Challenge!

You will need to work out the equivalent fractions

Use your strips of folded paper to help.

Guided Practice

3 Use the number lines to find fractions that are equal.



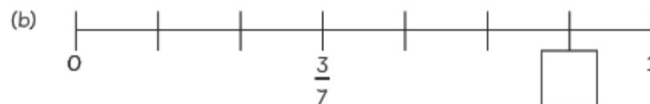
(a) $\frac{1}{3} = \square$

(b) $\frac{1}{2} = \square = \square$

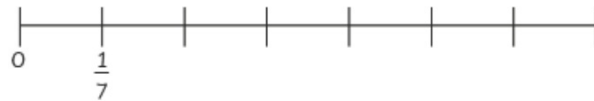
Worksheet 8

Finding Equivalent Fractions

1 Complete each of the following number lines.



2 Label the fractions on the number line.



(a) $\frac{3}{7}$

(b) $\frac{5}{7}$

(c) 1

Complete
workshee

Going Deeper

See if you can find some equivalent fractions for each of the number lines.

