

Good morning Year 3s, I hope your week is going well and you are getting to grips with tenths and decimals. If you get stuck, ask someone at home to phone school and I will get in touch and help you. For today's maths go to <https://whiterosemaths.com/homelearning/year-3/> -

Summer - Week 6 - Lesson 2 and watch the video 'Fractions on a number line' then complete the worksheet.

The answers are at the end.

When you have finished, play the **Topmarks - Hit the Button** games to practise **Doubles** and **Halves**.

Fractions on a number line

1 Draw an arrow to show the fractions on the number lines.

a) $\frac{1}{2}$

b) $\frac{1}{3}$

c) $\frac{1}{4}$

Are your answers accurate or are they estimates?

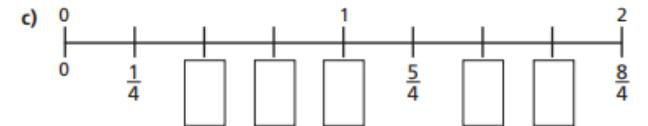
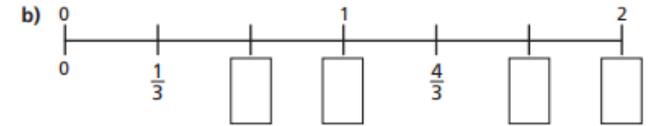
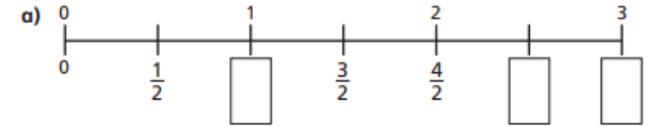
2 Write <, > or = to compare the fractions.

a) $\frac{1}{2}$ ○ $\frac{1}{4}$

b) $\frac{1}{4}$ ○ $\frac{1}{3}$

c) $\frac{1}{3}$ ○ $\frac{1}{2}$

3 Write the missing fractions on the number lines.



d) Write three fractions that are equivalent to one whole. Use the number lines to help you.

What do you notice?

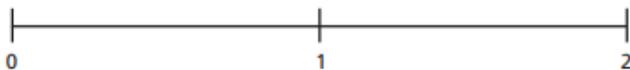
Talk about it with a partner.

- 4 Draw an arrow to estimate where each fraction belongs on the number line.

a) $\frac{3}{4}$



b) 1 and $\frac{2}{3}$



- 5 Write each fraction under the correct heading.

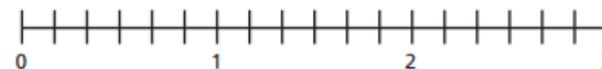
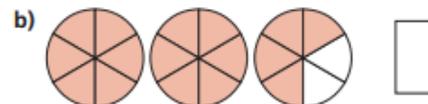
$\frac{2}{3}$	$\frac{4}{4}$	$\frac{5}{3}$	$\frac{1}{8}$	$\frac{3}{3}$
$\frac{3}{4}$	$\frac{7}{4}$	$\frac{8}{8}$	$\frac{7}{8}$	

Less than one whole	Equal to one whole	More than one whole



- 6 What fraction is shown in each diagram?

Draw an arrow to show the fraction on the number line.



- 7



One eighth is greater than one quarter.

Do you agree with Teddy? _____

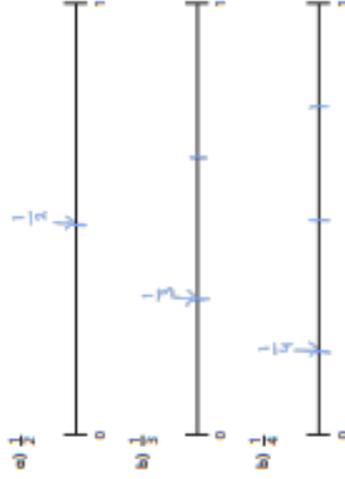
Use the number line to show why.



Fractions on a number line

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- 1 Draw an arrow to show the fractions on the number lines.



Are your answers accurate or are they estimates?

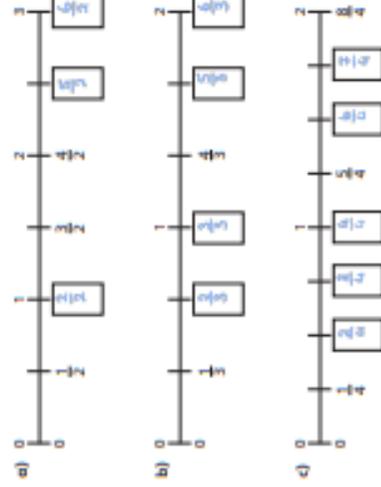
- 2 Write $<$, $>$ or $=$ to compare the fractions.

a) $\frac{1}{2} > \frac{1}{4}$

b) $\frac{1}{4} < \frac{1}{3}$

c) $\frac{1}{3} < \frac{1}{2}$

- 3 Write the missing fractions on the number lines.



- d) Write three fractions that are equivalent to one whole. Use the number lines to help you.

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

What do you notice?

The numerator is equal to the denominator.

Talk about it with a partner.

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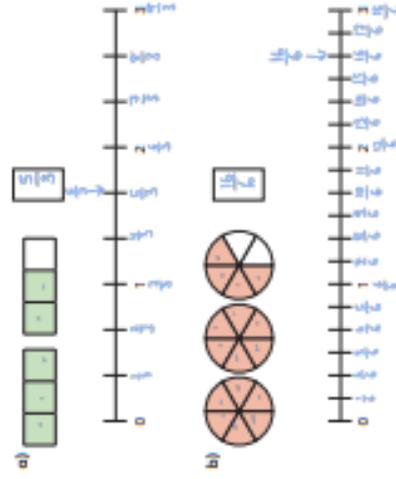
- 4 Draw an arrow to estimate where each fraction belongs on the number line.



- 5 Write each fraction under the correct heading.

Less than one whole	Equal to one whole	More than one whole
$\frac{1}{2}$ $\frac{2}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{5}{4}$ $\frac{6}{4}$	$\frac{2}{2}$ $\frac{3}{3}$ $\frac{4}{4}$ $\frac{5}{5}$ $\frac{6}{6}$	$\frac{5}{3}$ $\frac{7}{3}$ $\frac{8}{3}$ $\frac{9}{3}$ $\frac{10}{3}$

- 6 What fraction is shown in each diagram? Draw an arrow to show the fraction on the number line.



- 7 Our eighth is greater than one quarter. Do you agree with Teddy? Use the number line to show why.



Our eighth is greater than one quarter.

Do you agree with Teddy? NO. Use the number line to show why.



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