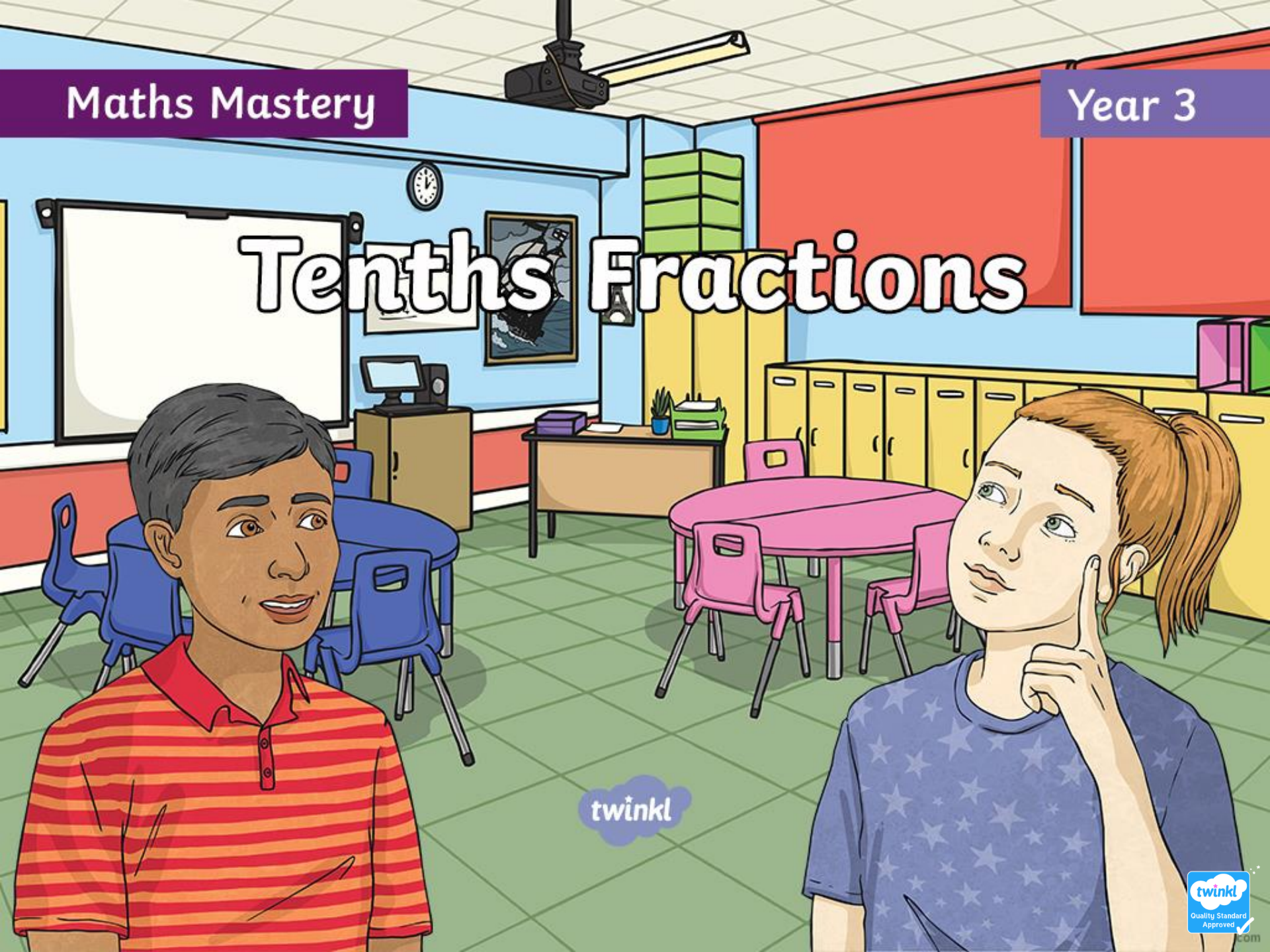
Maths Mastery
Year 3
Tenths Fractions
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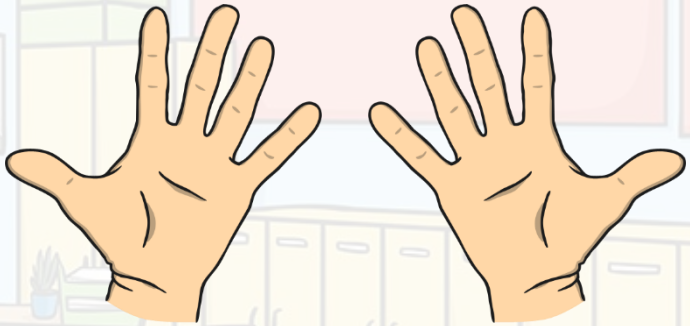
Fingers

This person has 10 fingers (including thumbs) so one finger represents $\frac{1}{10}$.



With a partner, write down other sets that are often in tens, so one is $\frac{1}{10}$.

Possible answers: toes, events in a decathlon, years in a decade, top ten, bowling pins, scale on an amp, Ten Commandments, etc.

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Tenths Stick

Fatima has a stick with 10 squares. Each square is $\frac{1}{10}$ of the whole.

1. What fraction does the shaded area represent?

$\frac{7}{10}$

2.

$\frac{2}{10}$

3.

$\frac{9}{10}$

4.

$\frac{4}{10}$

5.

$\frac{6}{10}$

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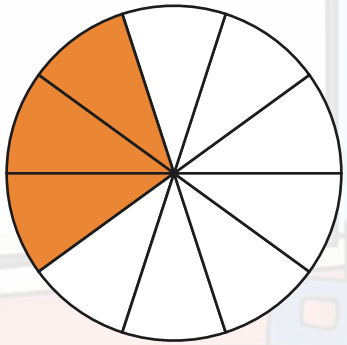
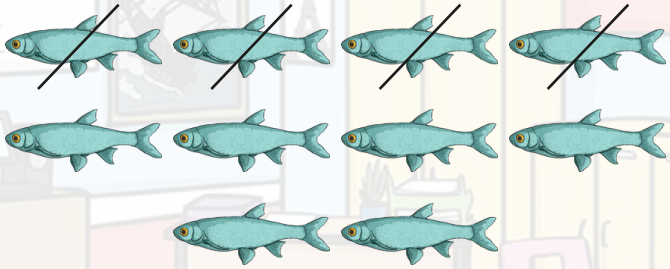
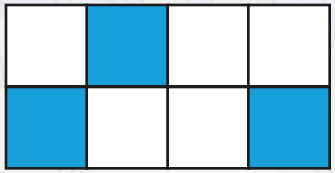
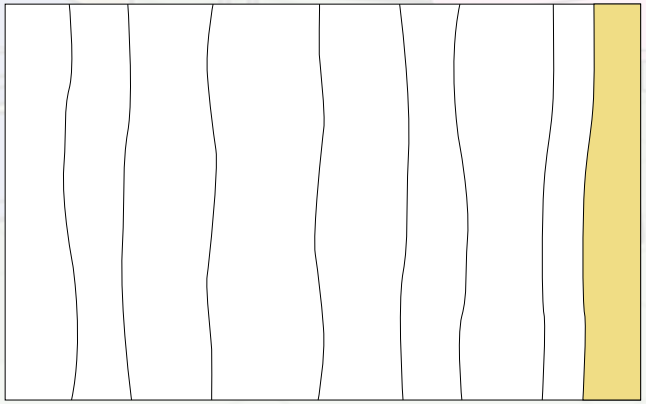
Tenths

Which of these images are the odd ones out? Explain your thinking.









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Which Tenth Is Next?

Ruby asks: Which tenth comes after:

$\frac{8}{10} \rightarrow \frac{10}{10}$

Working with your partner, give each other a tenth from which to start counting. Try backwards as well.

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Which Tenth Comes Before?

Mariam asks: Which tenth comes before:

$$\frac{8}{10} \rightarrow \frac{7}{10}$$

Work with a partner and ask each other similar questions.

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Counting

Fatima and Natalie are counting in tenths.

Fatima says, "After $\frac{10}{10}$ it is $\frac{11}{10}$."

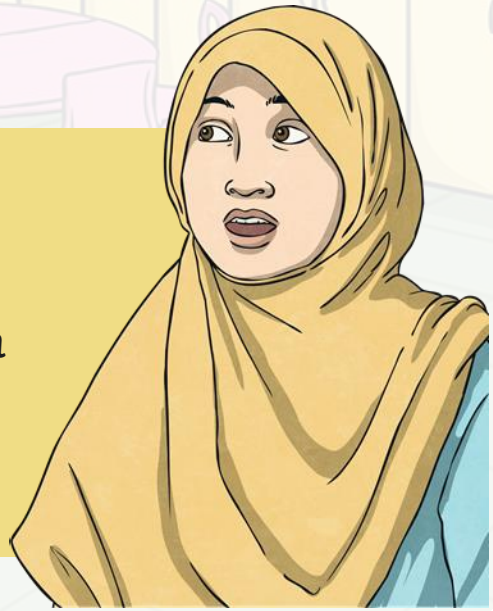
Natalie says, "You can't have $\frac{11}{10}$."

Who do you agree with and why?

Show answer

Fatima is correct. You could also say $1\frac{1}{10}$ as this is equivalent to $\frac{11}{10}$.

$\frac{11}{10}$ is an example of an improper fraction, a fraction where the numerator is greater than the denominator showing it is more than a whole.



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Count From

Mohammed and Ruby practise counting in tenths.
Work with a partner to count in tenths alternately from:

$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$	$\frac{10}{10}$
$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$
$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$
$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$

Working with your partner, give each other a tenth from which to start counting. Try counting backwards as well.

Show answers

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