

★ Count in Tenths

Children count up and down in tenths using different representations. They also explore what happens when counting past $\frac{10}{10}$. They are not required to write mixed numbers, however, they may see the $\frac{11}{10}$ as $1\frac{1}{10}$ due to their understanding of 1 whole. On this sheet, they count up and down in tenths using simple representations.

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Count in Tenth

Complete the pattern in the table.

Representation	Words	Fraction	What comes before?
	ten tenths	$\frac{10}{10}$	What comes after $\frac{9}{10}$?
	nine tenths	$\frac{9}{10}$	What comes before $\frac{10}{10}$?
	eight tenths	$\frac{8}{10}$	What comes after $\frac{7}{10}$?
	seven tenths	$\frac{7}{10}$	What comes before $\frac{8}{10}$?

How many tenths does it take to get to 1 whole?

Complete the sequence.

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

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Children count up and down in tenths using different representations. They also explore what happens when counting past $\frac{10}{10}$. They are not required to write mixed numbers, however, they may see the $\frac{11}{10}$ as $1\frac{1}{10}$ due to their understanding of 1 whole. On this sheet, they will count forward and backward in tenths in a variety of ways.

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Count in Tenth

Complete the pattern in the table.

Representation	Words	Fraction	What comes before?
	ten tenths	$\frac{10}{10}$	What comes after $\frac{9}{10}$?
	nine tenths	$\frac{9}{10}$	What comes before $\frac{10}{10}$?
	eight tenths	$\frac{8}{10}$	What comes after $\frac{7}{10}$?
	seven tenths	$\frac{7}{10}$	What comes before $\frac{8}{10}$?

How many tenths does it take to get to 1 whole?

Complete the sequence.

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

★★★ Count in Tenth

Children count up and down in tenths using different representations. They also explore what happens when counting past $\frac{10}{10}$. They are not required to write mixed numbers, however, they may see the $\frac{11}{10}$ as $1\frac{1}{10}$ due to their understanding of 1 whole. On this sheet, they will solve more complicated questions that involve counting in tenths.

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Count in Tenth

Complete the pattern in the table.

Representation	Words	Fraction	What comes before?
	ten tenths	$\frac{10}{10}$	What comes after $\frac{9}{10}$?
	nine tenths	$\frac{9}{10}$	What comes before $\frac{10}{10}$?
	eight tenths	$\frac{8}{10}$	What comes after $\frac{7}{10}$?
	seven tenths	$\frac{7}{10}$	What comes before $\frac{8}{10}$?

How many tenths does it take to get to 1 whole?

Complete the sequence.

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

Reasoning & Problem Solving

Count in Tenth

Children continue working on their understanding of counting in tenths by solving reasoning questions.

Reasoning & Problem Solving

Malachi is counting in tenths.

Eight tenths, nine tenths, ten tenths, one eleventh, two elevenths, three elevenths...

Can you spot the mistake?

TRUE or FALSE?

Six tenths is $\frac{2}{10}$ smaller than 8 tenths.

Five tenths is $\frac{3}{10}$ greater than three tenths.

Four tenths is $\frac{1}{10}$ smaller than half of eight tenths.

Three tenths is $\frac{1}{10}$ greater than half of four tenths.

Do you agree?

Explain why.



The counting stick is worth 1 whole. Label each part of the counting stick.
Can you count forwards and backwards along the counting stick?



$\frac{1}{10}$	—	$\frac{3}{10}$	—	$\frac{5}{10}$	—	$\frac{7}{10}$	—	—	$\frac{10}{10}$
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Continue the pattern in the table.

Representation	Words	Fraction
		$\frac{2}{10}$
		$\frac{5}{10}$
	Seven tenths	

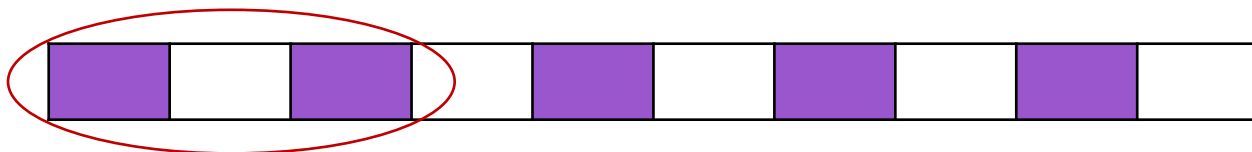
What comes before $\frac{6}{10}$?

What comes after $\frac{6}{10}$?

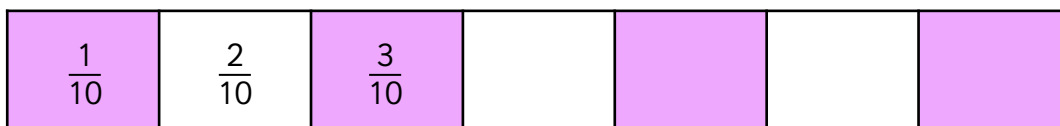
What comes between

$\frac{1}{10}$ and $\frac{3}{10}$?

How many have been circled? Give your answer in different ways.



Complete the sequence.





The counting stick is worth 1 whole. Label each part of the counting stick.
Can you count forwards and backwards along the counting stick?



$$\frac{1}{10}$$

$$\frac{2}{10}$$

$$\frac{3}{10}$$

$$\frac{4}{10}$$

$$\frac{5}{10}$$

$$\frac{6}{10}$$

$$\frac{7}{10}$$

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

$$\frac{9}{10}$$

$$\frac{10}{10}$$

Continue the pattern in the table.

Representation	Words	Fraction
	Two tenths	$\frac{2}{10}$
	Five tenths	$\frac{5}{10}$
	Seven tenths	$\frac{7}{10}$

What comes before $\frac{6}{10}$?

$$\frac{5}{10}$$

What comes after $\frac{6}{10}$?

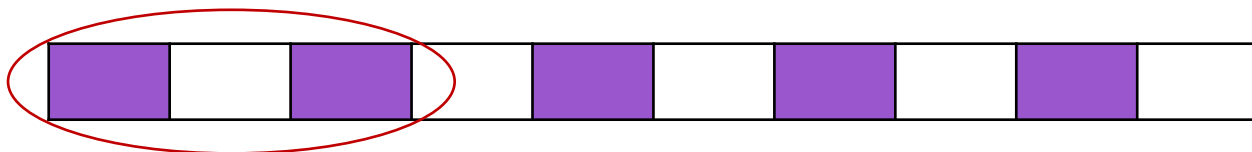
$$\frac{7}{10}$$

What comes between

$\frac{1}{10}$ and $\frac{3}{10}$?

$$\frac{2}{10}$$

How many have been circled? Give your answer in different ways.

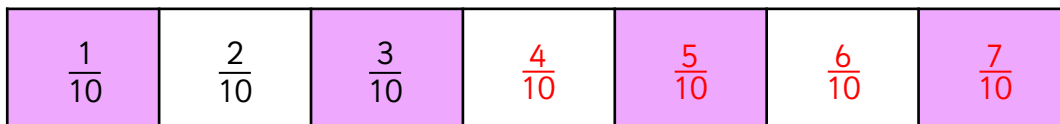


3

10

three tenths

Complete the sequence.





Continue the pattern in the table.

Representation	Words	Fraction
		$\frac{4}{10}$
	nine tenths	

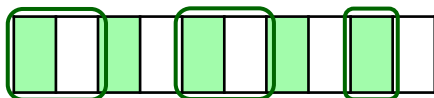
What comes before $\frac{10}{10}$?

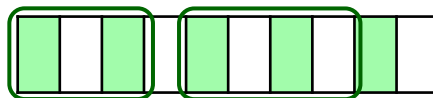
What comes after $\frac{3}{10}$?

What comes between

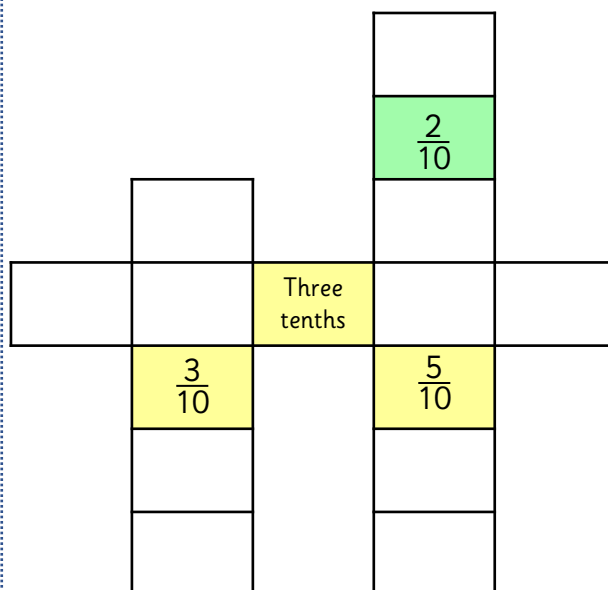
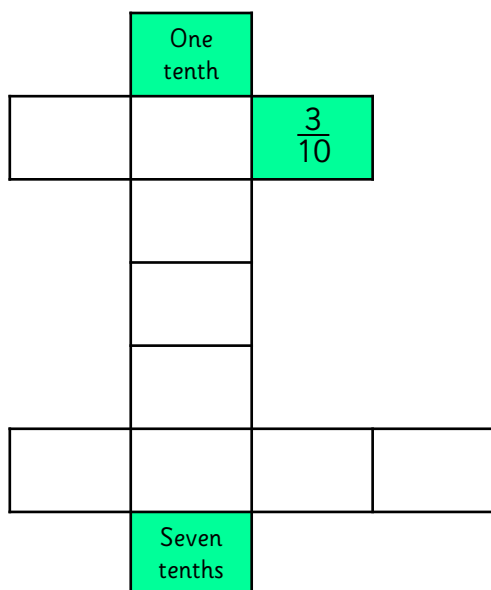
$\frac{4}{10}$ and $\frac{7}{10}$?

How many have been circled? Give your answer in different ways.





Complete the sequences.





Continue the pattern in the table.

Representation	Words	Fraction
	four tenths	$\frac{4}{10}$
	nine tenths	$\frac{9}{10}$
	six tenths	$\frac{6}{10}$

What comes before $\frac{10}{10}$?

$\frac{9}{10}$

What comes after $\frac{3}{10}$?

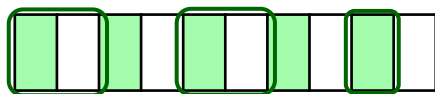
$\frac{4}{10}$

What comes between

$\frac{4}{10}$ and $\frac{7}{10}$?

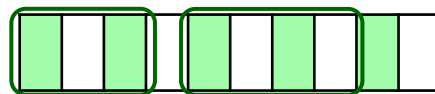
$\frac{5}{10}$ and $\frac{6}{10}$

How many have been circled? Give your answer in different ways.



$\frac{5}{10}$

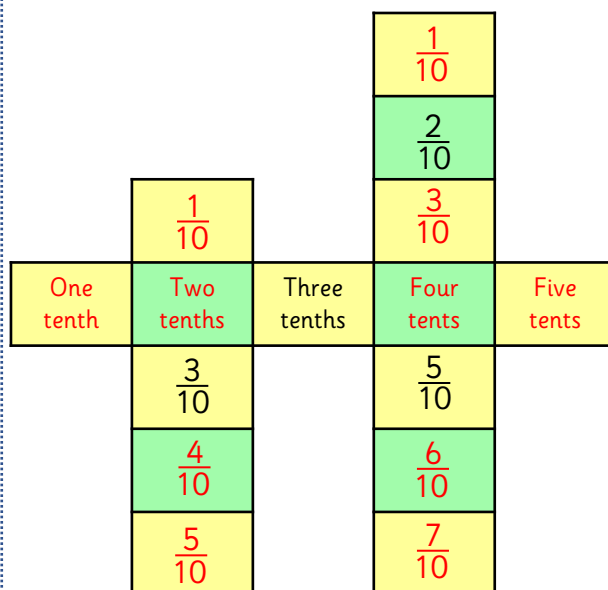
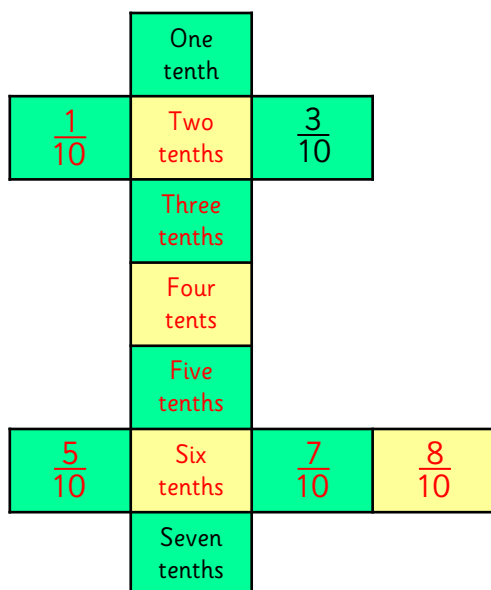
five tenths



$\frac{7}{10}$

seven tenths

Complete the sequence.





Continue the pattern in the table.

Representation	Words	Fraction
		$\frac{4}{10}$
		$\frac{1}{10}$
		$\frac{9}{10}$

Five more than half of eight tenths

Five more than nine tenths

Half of two tenths

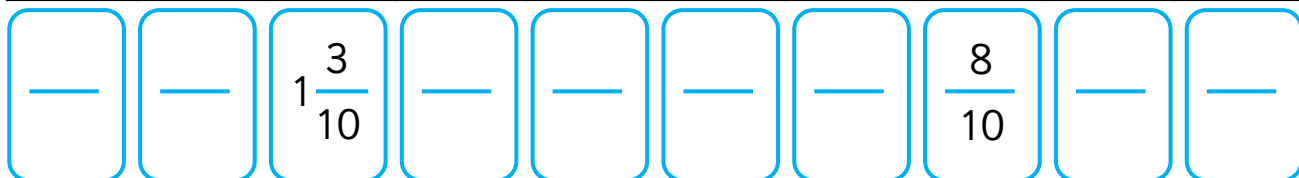
Four less than eight tenths

Three less than half of eight tenths

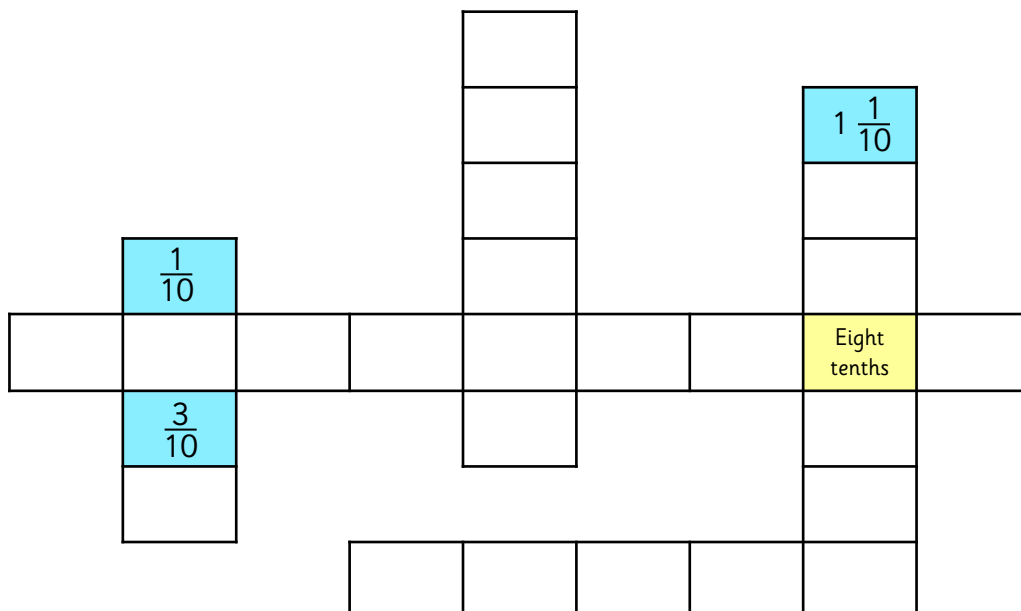
Half of eight tenths

Five more than four tenths

Label each part of the counting stick.



Complete the sequence.



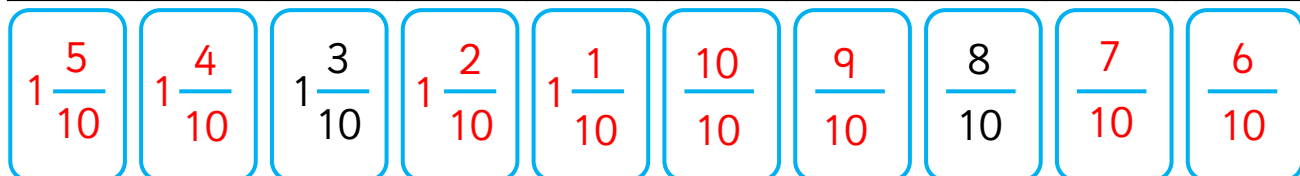


Continue the pattern in the table.

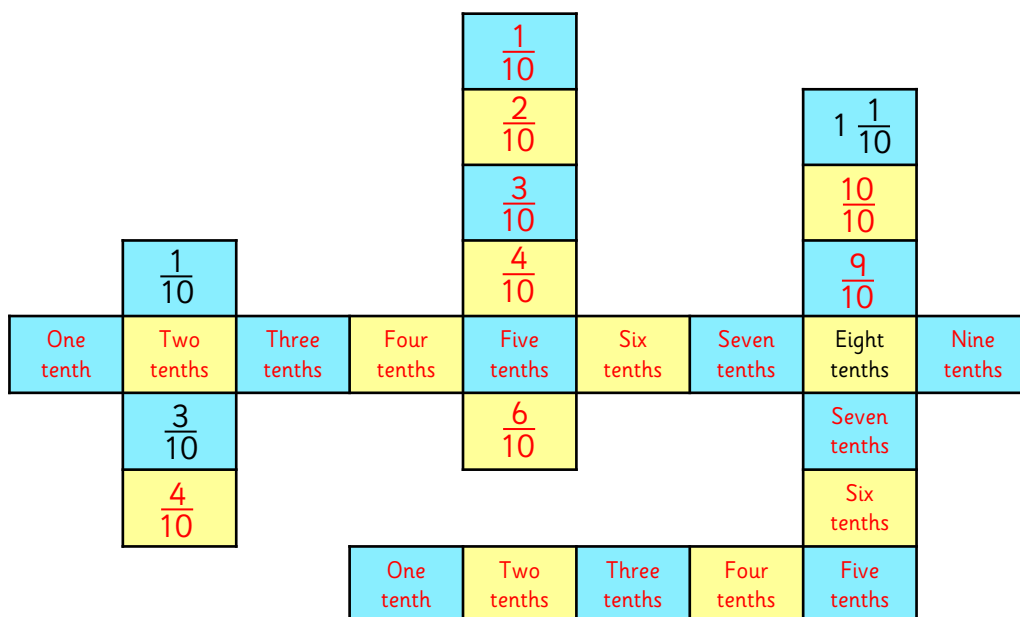
Representation	Words	Fraction
	Half of eight tenths Four less than eight tenths	$\frac{4}{10}$
	Half of two tenths Three less than half of eight tenths	$\frac{1}{10}$
	Five more than half of eight tenths Five more than four tenths	$\frac{9}{10}$

Five more than nine tenths

Label each part of the counting stick.



Complete the sequence.



Malachi is counting in tenths.



Eight tenths,
nine tenths, ten tenths,
one eleventh, two elevenths,
three elevenths...

Can you spot the mistake?

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Explain why.

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Can you spot the mistake?

Malachi thinks that after ten tenths, you start counting in elevenths. He does not realize that ten tenths is the whole, and so the next number in the sequence after ten tenths is eleven tenths or one and one tenth.

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TRUE or FALSE?

Six tenths is $\frac{2}{10}$ smaller than 8 tenths.
True

Five tenths is $\frac{3}{10}$ greater than three tenths.
False

Four tenths is $\frac{1}{10}$ smaller than half of eight tenths.
False

Three tenths is $\frac{1}{10}$ greater than half of four tenths.
True

Do you agree? Explain why.

Children could show it using pictures, ten frames, number lines etc.

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False

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True

Do you agree? Explain why.

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