

## ★ Tenths as Decimals

Children are introduced to tenths as decimals for the first time. They compare fractions and decimals written as words, in fraction form and as decimals and link them to pictorial representations.

They learn that the number system extends to the right of the decimal point into the tenths column.

On this sheet, they complete a table with limited amount of missing parts.

masterthecurriculum.co.uk

Representation	Words	Fraction	Decimal
One tenth	One tenth	$\frac{1}{10}$	0.1
Two tenths	Two tenths	$\frac{2}{10}$	0.2

Write the decimal on the number line.

Write the decimal on the number line.

Represent the decimal on the number line.

Complete the sequence.

## ★★ Tenths as Decimals

Children are introduced to tenths as decimals for the first time. They compare fractions and decimals written as words, in fraction form and as decimals and link them to pictorial representations.

They learn that the number system extends to the right of the decimal point into the tenths column.

On this sheet, they complete a table with missing parts.

masterthecurriculum.co.uk

Representation	Words	Fraction	Decimal
Three tenths	Three tenths	$\frac{3}{10}$	0.3
Four tenths	Four tenths	$\frac{4}{10}$	0.4

Write the decimal on the number line.

Write the decimal on the number line.

Represent the decimal on the number line.

Complete the sequence.

## ★★★ Tenths as Decimals

Children are introduced to tenths as decimals for the first time. They compare fractions and decimals written as words, in fraction form and as decimals and link them to pictorial representations.

They learn that the number system extends to the right of the decimal point into the tenths column.

On this sheet, they will solve more complicated questions that involve decimals.

masterthecurriculum.co.uk

Representation	Words	Fraction	Decimal
Five tenths	Five tenths	$\frac{5}{10}$	0.5
Six tenths	Six tenths	$\frac{6}{10}$	0.6

Write the decimal on the number line.

Write the decimal on the number line.

Represent the decimal on the number line.

Complete the sequence.

## Reasoning & Problem Solving

### Tenths in Decimals

Children continue working on their understanding of tenths as decimals.

They will solve reasoning questions involving graphical representations when converting tenths in decimals.

TRUE or FALSE?

Malachi: 20 cm is two tenths of one metre.

Leanna: 20 cm is 0.2 metres.

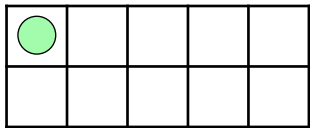
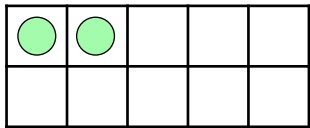
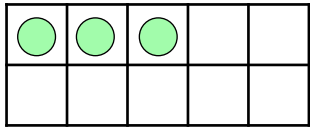
Explain your answer.

Place the decimals and fractions on the number line.

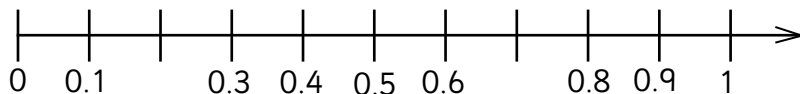
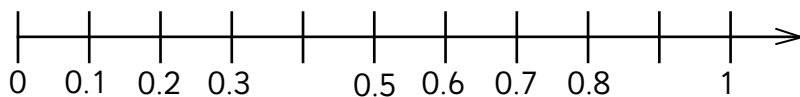
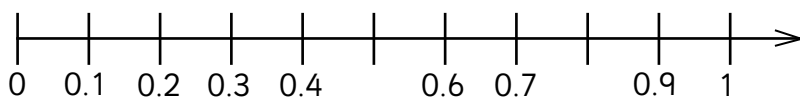
0.3,  $\frac{4}{10}$ ,  $\frac{0}{10}$ ,  $\frac{5}{10}$ , 0.7

0.4,  $\frac{2}{10}$ ,  $\frac{10}{10}$ ,  $\frac{6}{10}$ , 0.8

Complete the table.

Representation	Words	Fraction	Decimal
	One tenth	$\frac{1}{10}$	
		$\frac{2}{10}$	
	Three tenths		0.3

Write the missing decimals on the number lines.



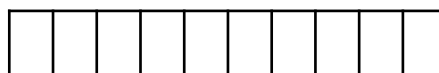
Write the decimals represented.






Represent the decimal pictorially and write the decimal as a fraction.

Ones	Tenths
0	4




Ones	Tenths
0	7

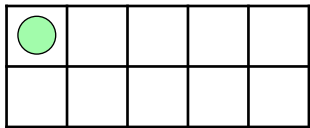
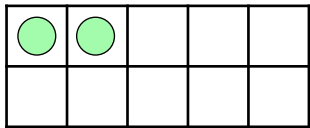
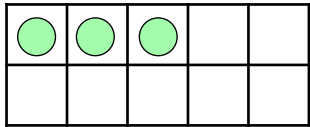




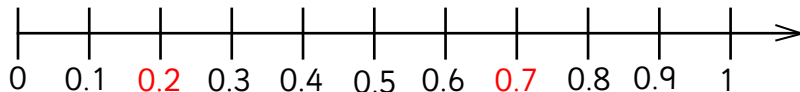
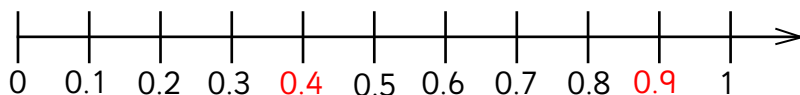
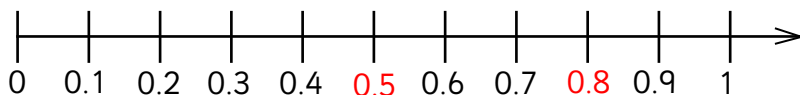

Complete the sequence.

0.1	0.2		0.4	0.5		0.7
-----	-----	--	-----	-----	--	-----

Complete the table.

Representation	Words	Fraction	Decimal
	One tenth	$\frac{1}{10}$	0.1
	Two tenths	$\frac{2}{10}$	0.2
	Three tenths	$\frac{3}{10}$	0.3

Write the missing decimals on the number lines.



Write the decimals represented.



0.2



0.3

Represent the decimal pictorially and write the decimal as a fraction.

Ones	Tenths
0	4



4

10

Ones	Tenths
0	7



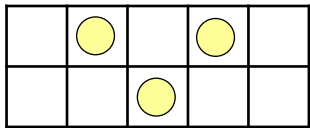
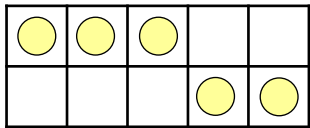
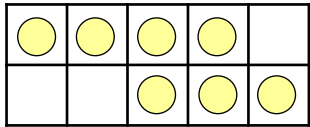
7

10

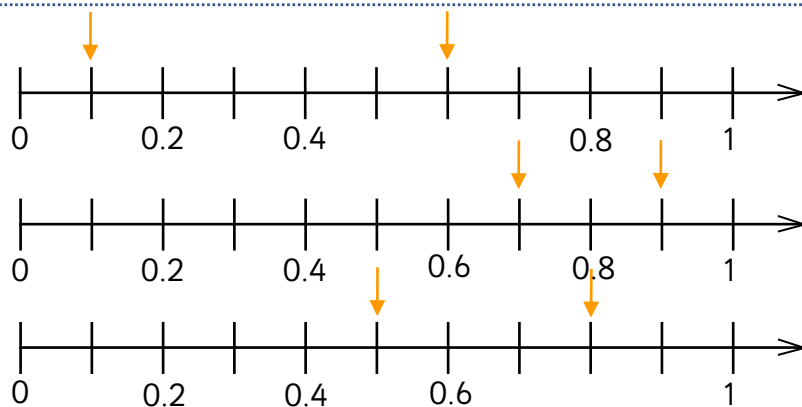
Complete the sequence.

0.1	0.2	0.3	0.4	0.5	0.6	0.7
-----	-----	-----	-----	-----	-----	-----

Complete the table.

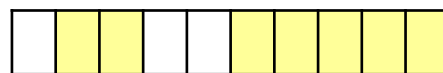
Representation	Words	Fraction	Decimal
	Three tenths		
		$\frac{5}{10}$	
			0.7

What decimal are the arrows pointing at?



Write the decimals shown.






Represent the decimal pictorially and write the decimal as a fraction.

Ones	Tenths
0	8




Ones	Tenths
0	10

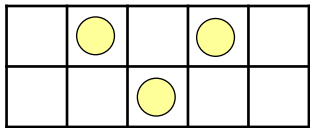
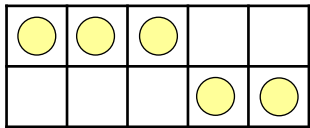
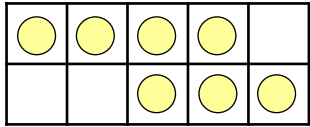




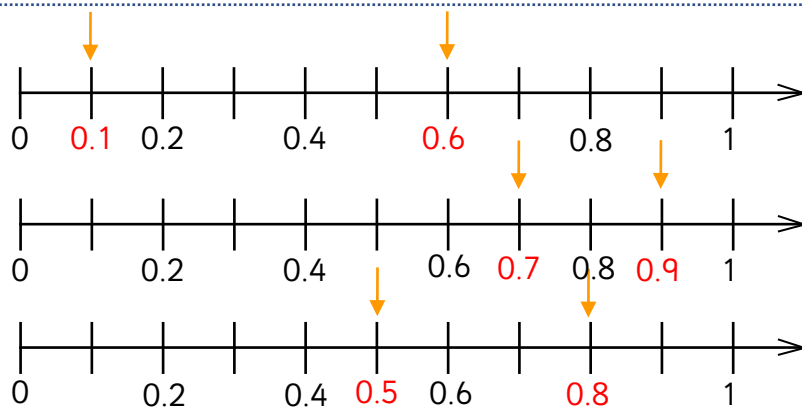

Complete the sequence.

	0.4		0.6	0.7		0.9
--	-----	--	-----	-----	--	-----

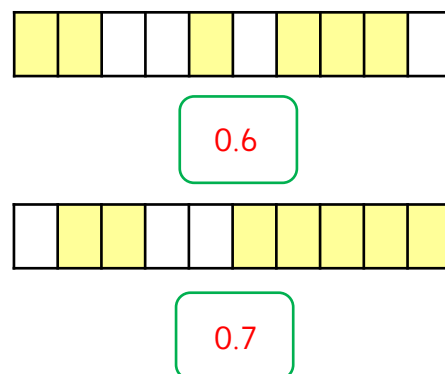
Complete the table.

Representation	Words	Fraction	Decimal
	Three tenths	$\frac{3}{10}$	0.3
	Five tenths	$\frac{5}{10}$	0.5
	Seven tenths	$\frac{7}{10}$	0.7

What decimal are the arrows pointing at?



Write the decimals shown.



Represent the decimal pictorially and write the decimal as a fraction.

Ones	Tenths
0	8

Ones	Tenths
0	10



$$\frac{8}{10} = \frac{10}{10} = 1$$

Complete the sequence.

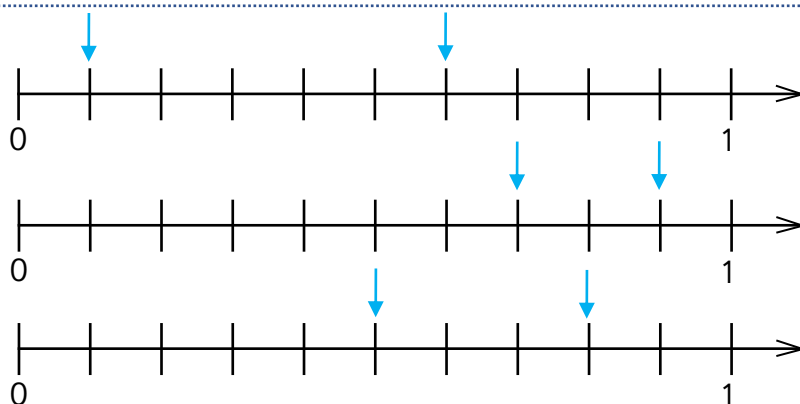
0.3	0.4	0.5	0.6	0.7	0.8	0.9
-----	-----	-----	-----	-----	-----	-----



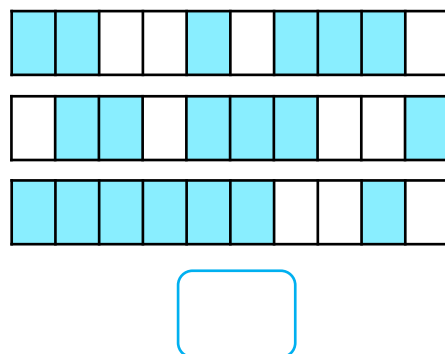
Continue the pattern in the table.

Representation	Words	Fraction	Decimal
	Five tenths less than nine tenths		
	Three tenths more than six tenths		
	11 tenths less than 16 tenths.		

Write missed decimals on the number line.



Write the decimal shown.

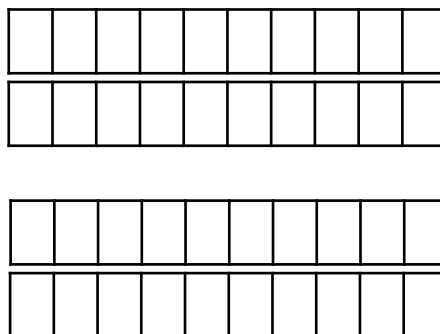


Represent the decimal pictorially and write the decimal as a fraction.

Ones	Tenths
1	2

Ones	Tenths
1	7

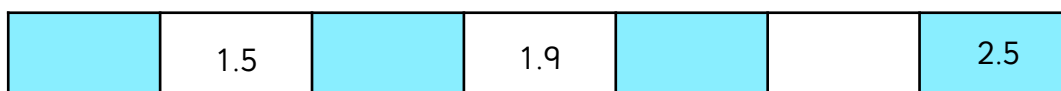


---

---

---

Complete the sequence.

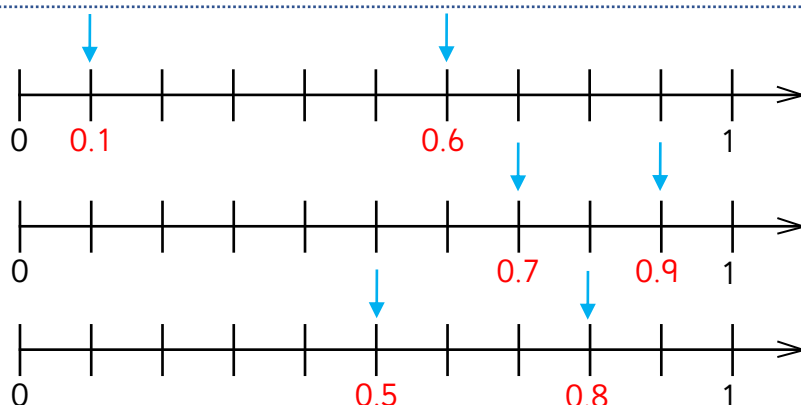




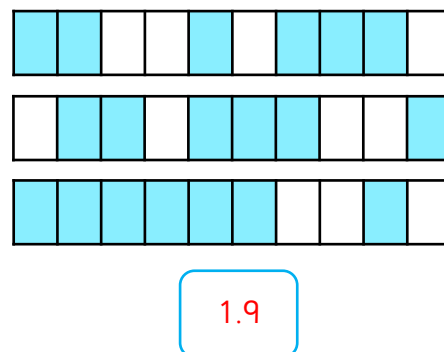
Continue the pattern in the table.

Representation	Words	Fraction	Decimal
	Five tenths less than nine tenths	$\frac{4}{10}$	0.4
	Three tenths more than six tenths	$\frac{9}{10}$	0.9
	11 tenths less than 16 tenths.	$\frac{5}{10}$	0.5

Write missed decimals on the number line.



Write the decimals shown.

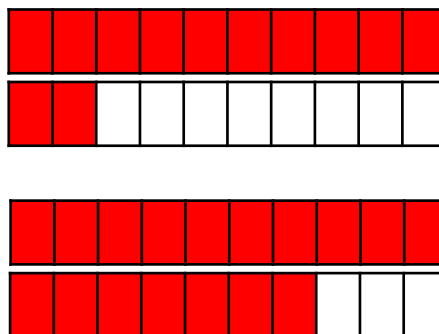


Represent the decimal pictorially and write the decimal as a fraction.

Ones	Tenths
1	2

Ones	Tenths
1	7



12

10

17

10

Complete the sequence.

1.3	1.5	1.7	1.9	2.1	2.3	2.5
-----	-----	-----	-----	-----	-----	-----

TRUE or FALSE?

Malachi



20 cm is two tenths of one metre.

Leanna



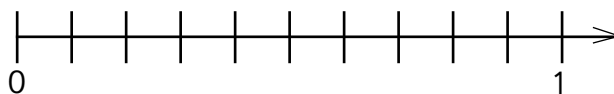
20 cm is 0.2 metres.

Explain your answer.

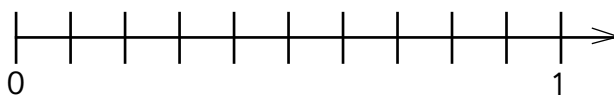
masterthecurriculum.co.uk

Place the decimals and fractions

on the number line.



0.3      $\frac{9}{10}$       $\frac{0}{10}$       $\frac{5}{10}$      0.7



0.4      $\frac{2}{10}$       $\frac{10}{10}$       $\frac{6}{10}$      0.8

TRUE or FALSE?

Malachi



20 cm is two tenths of one metre.

Leanna



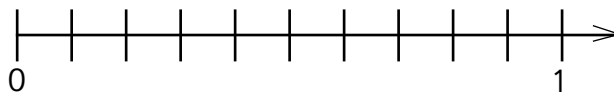
20 cm is 0.2 metres.

Explain your answer.

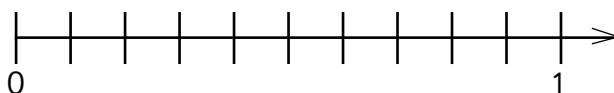
masterthecurriculum.co.uk

Place the decimals and fractions

on the number line.



0.3      $\frac{9}{10}$       $\frac{0}{10}$       $\frac{5}{10}$      0.7



0.4      $\frac{2}{10}$       $\frac{10}{10}$       $\frac{6}{10}$      0.8



TRUE or FALSE?

Malachi



20 cm is two tenths of one metre.

Leanna



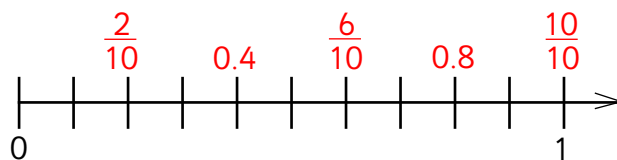
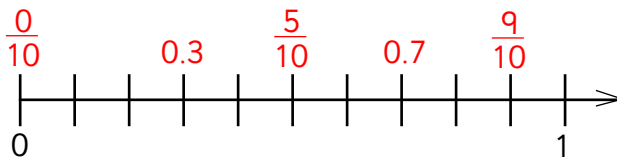
20 cm is 0.2 metres.

They are both correct.  $20 \text{ cm} = \frac{2}{10} \text{ m} = 0.2 \text{ m}$ .

masterthecurriculum.co.uk

Place the decimals and fractions

on the number line.



TRUE or FALSE?

Malachi



20 cm is two tenths of one metre.

Leanna



20 cm is 0.2 metres.

They are both correct.  $20 \text{ cm} = \frac{2}{10} \text{ m} = 0.2 \text{ m}$ .

masterthecurriculum.co.uk

Place the decimals and fractions

on the number line.

