

Tenths as decimals

1 Complete the table.

Representation	Words	Fraction	Decimal
	1 tenth	$\frac{1}{10}$	0.1
	7 tenths	$\frac{7}{10}$	0.7
	3 tenths	$\frac{3}{10}$	0.3
	5 tenths	$\frac{5}{10}$	0.5

2 Match each bar model to the equivalent decimal.

0.8

0.6

0.4

Handwritten blue lines connect the bar models to the decimals: 4 squares to 0.4, 6 squares to 0.6, and 7 squares to 0.7 (which is not an option, so the line for 7 squares is crossed out).

3 Mo is using a place value chart to represent numbers.

Write each number as a decimal.

a)

0.2

c)

1.5

b)

0.7

d)

3.2

4 Draw counters to represent the numbers.

a) 0.3

c) 1.3

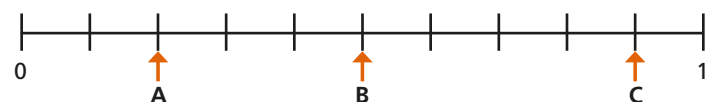
b) 3

d) 3.1

5 Continue the pattern.

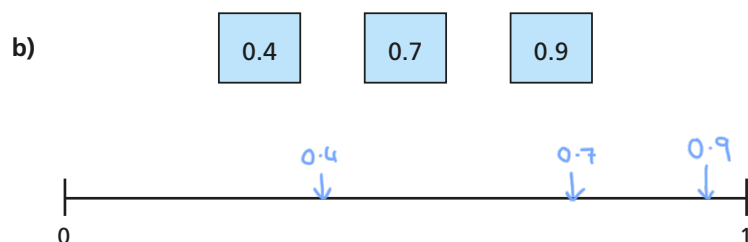
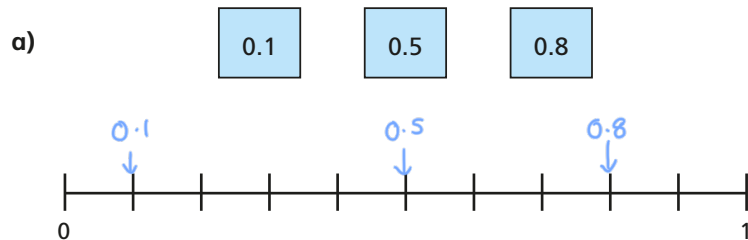
$\frac{1}{10}$	0.2	3 tenths	$\frac{4}{10}$	0.5
6 tenths	$\frac{7}{10}$	0.8	9 tenths	$\frac{10}{10}$

6 What decimal is each arrow pointing to?

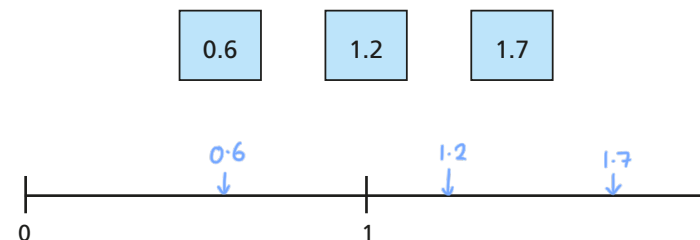


A = 0.2 B = 0.5 C = 0.9

7 Estimate the position of the decimals on the number lines.



c)



8 Complete the statements.

a) $0.2 > \frac{1}{10}$

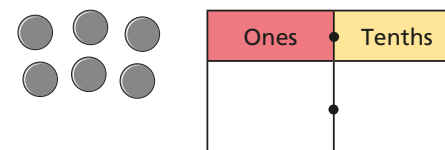
c) 7 tenths = 0.7

b) $0.8 < \frac{9}{10}$

d) 1.2 = $\frac{12}{10}$

Is there more than one answer for each?

9 Aisha places 6 counters onto this place value chart.



List all the possible numbers she could represent.

0.6 1.5 2.4 3.3
4.2 5.1 6.0