

Tenths as decimals



1 Shade the bar models to represent the amounts.

a) 7 tenths

b) $\frac{4}{10}$

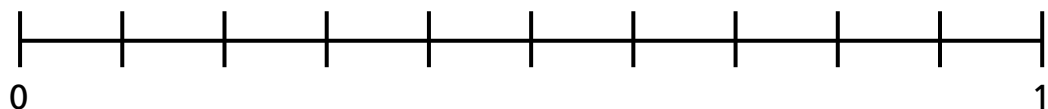
c) 0.3

2 Complete the table to show the fractions and decimals the bar models represent.

Bar model	Fraction	Decimal

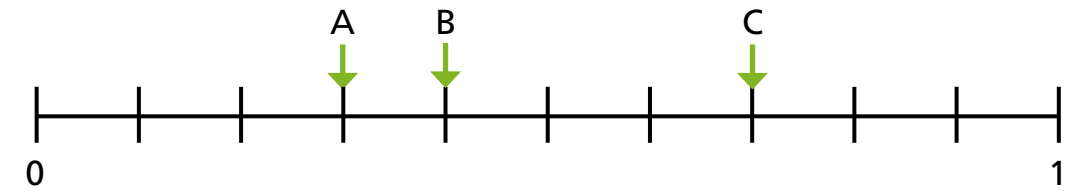
3 Write each fraction and decimal in the correct place on the number line.

$\frac{2}{10}$ 0.6 $\frac{9}{10}$ 0.1



4 Work out the values of A, B and C.

Give your answers as fractions and decimals.



A or

B or

C or

5 Match the equivalent fractions, decimals and words.

$\frac{3}{10}$

0.7

four tenths

$\frac{9}{10}$

0.3

one tenth

$\frac{7}{10}$

0.4

three tenths

$\frac{4}{10}$

0.1

nine tenths

$\frac{1}{10}$

0.9

seven tenths



6 What is the total value represented by each ten frame?

a)

10	10	10	10	10
10	10	10	10	10

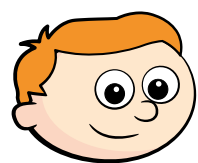
b)

1	1	1	1	1
1	1	1	1	1

c)

0.1	0.1	0.1	0.1	0.1
0.1	0.1	0.1	0.1	0.1

7



Nine tenths can be written 0.9, so ten tenths must be 0.10

Do you agree with Ron? _____

Explain your answer.

8 Eight tenths can be represented in all of the ways shown.

A

0.1	0.1	0.1	0.1	
0.1	0.1	0.1	0.1	

C

B

D

Which do you think is the best representation? _____

Discuss your answer with a partner.

Represent six tenths in each different way.

