1 Shade the bar models to represent the amounts.
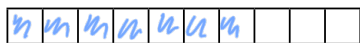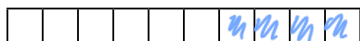
a) 7 tenths

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

c) 0.3

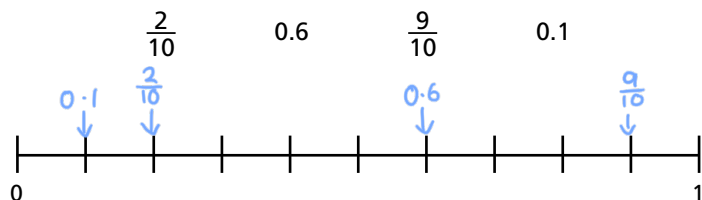**2** Complete the table to show the fractions and decimals the bar models represent.
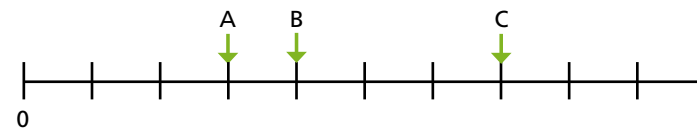
Bar model	Fraction	Decimal
	$\frac{1}{10}$	0.1
	$\frac{5}{10}$	0.5
	$\frac{6}{10}$	0.6
	$\frac{3}{10}$	0.3

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

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

0   0.1 $\frac{2}{10}$ 0.6 $\frac{9}{10}$ 1

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

Give your answers as fractions and decimals.
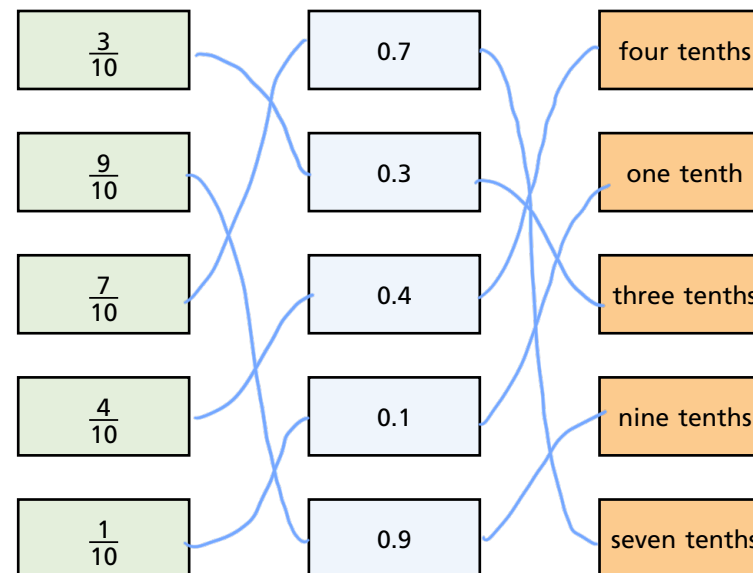
A   B   C

0   1

A $\frac{3}{10}$ or   0.3
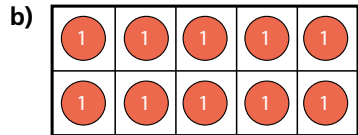
B $\frac{4}{10}$ or   0.4

C $\frac{7}{10}$ or   0.7

5 Match the equivalent fractions, decimals and words.
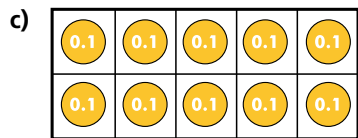
$\frac{3}{10}$	0.7	four tenths
$\frac{9}{10}$	0.3	one tenth
$\frac{7}{10}$	0.4	three tenths
$\frac{4}{10}$	0.1	nine tenths
$\frac{1}{10}$	0.9	seven tenths

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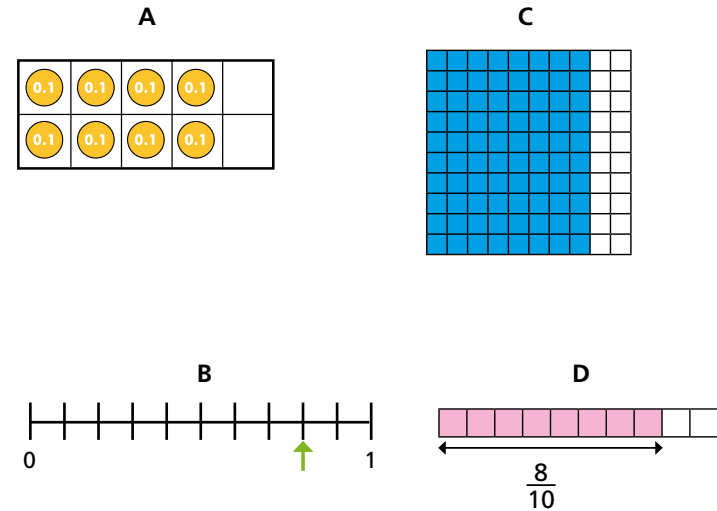
a)

`100`

b)

`10`

c)
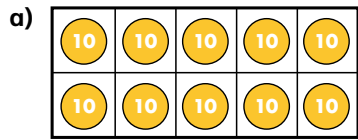
`1`

7

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

Do you agree with Ron? __NO__

Explain your answer.

__Ten tenths is one whole.__

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

A

C

B

D

$\frac{8}{10}$

Which do you think is the best representation? _____

Discuss your answer with a partner.

Represent six tenths in each different way.