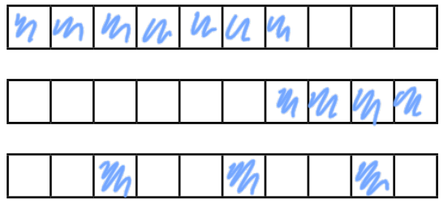
Tenths as decimals

1 Shade the bar models to represent the amounts.

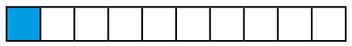
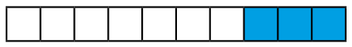
a) 7 tenths

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

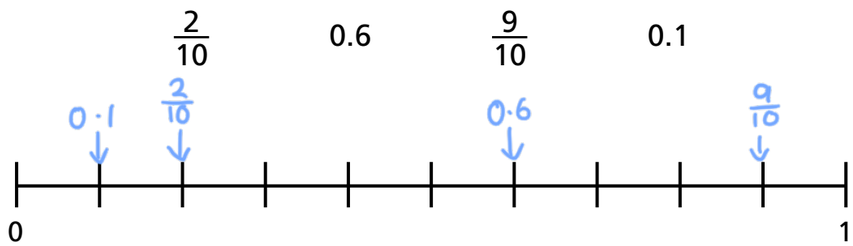
c) 0.3



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

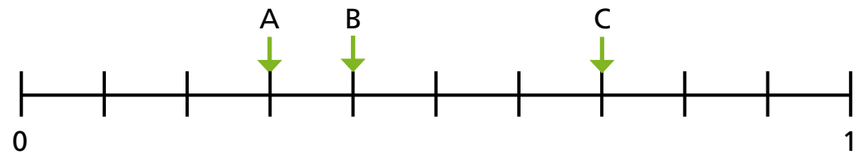
Bar model	Fraction	Decimal
	$\frac{1}{10}$	0.1
	$\frac{5}{10}$	0.5
	$\frac{6}{10}$	0.6
	$\frac{3}{10}$	0.3

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



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

Give your answers as fractions and decimals.



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

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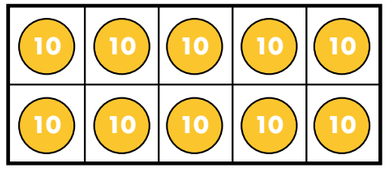
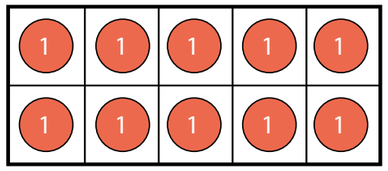
6 What is the total value represented by each ten frame?

a)



100

b)

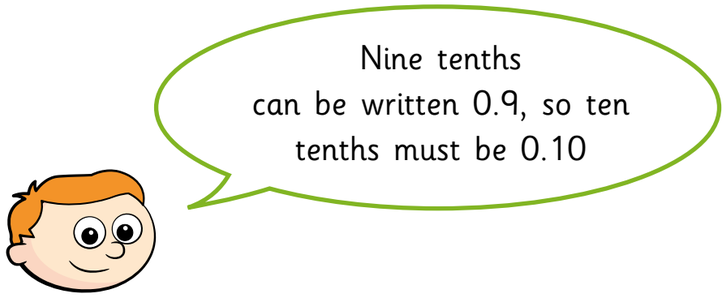


10

c)

1

7



Do you agree with Ron? No

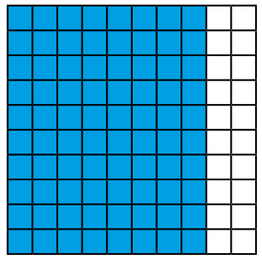
Explain your answer.

Ten tenths is one whole.

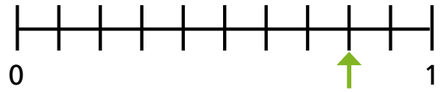
8 Eight tenths can be represented in all of the ways shown.

A

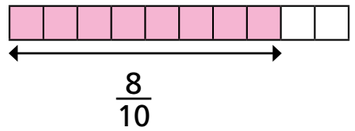
C



B



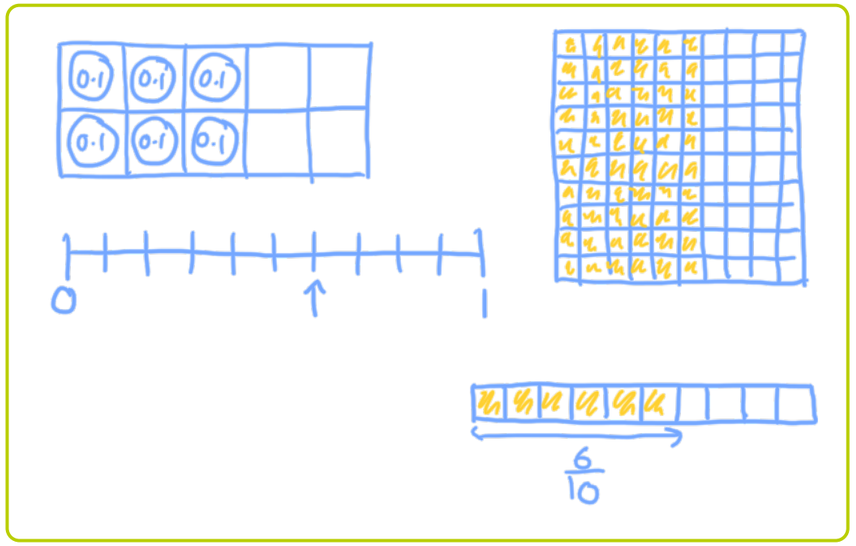
D



Which do you think is the best representation? _____

Discuss your answer with a partner.

Represent six tenths in each different way.



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