

Tenths as decimals



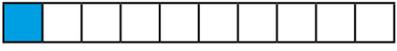
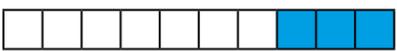
1 Shade the bar models to represent the amounts.

a) 7 tenths 

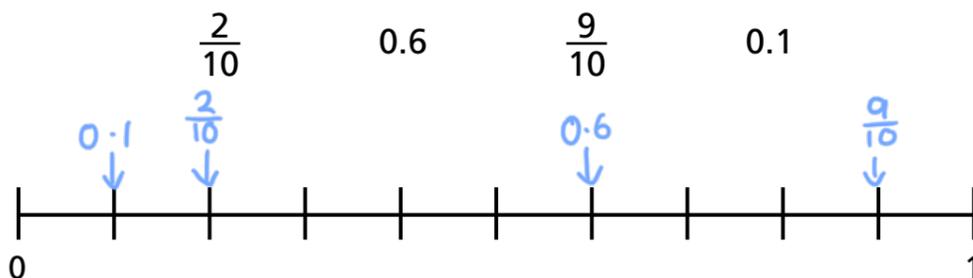
b) $\frac{4}{10}$ 

c) 0.3 

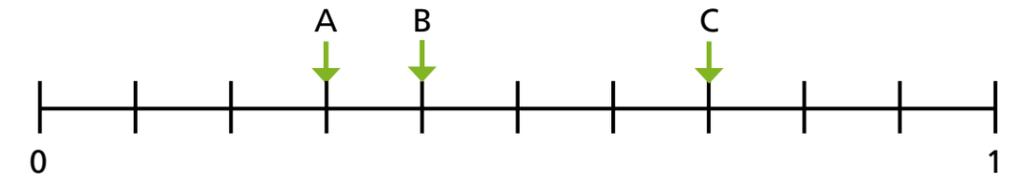
2 Complete the table to show the fractions and decimals the bar models represent.

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.

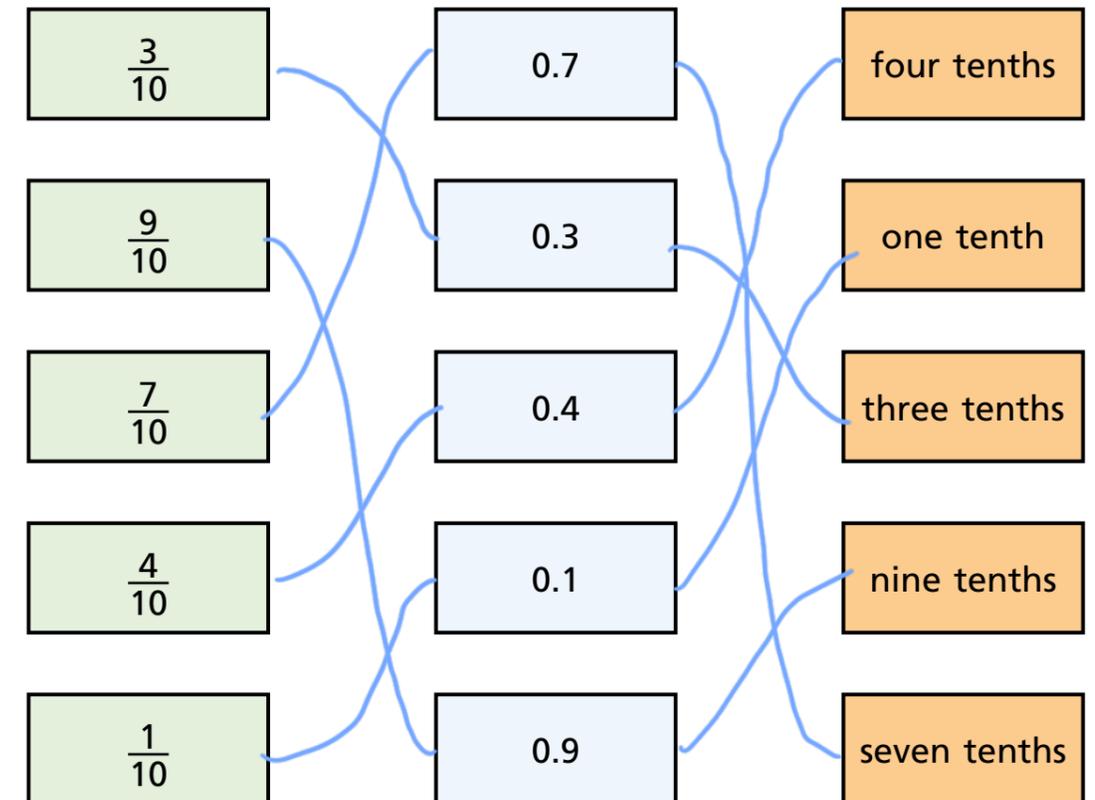


A $\frac{3}{10}$ or 0.3

B $\frac{4}{10}$ or 0.4

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

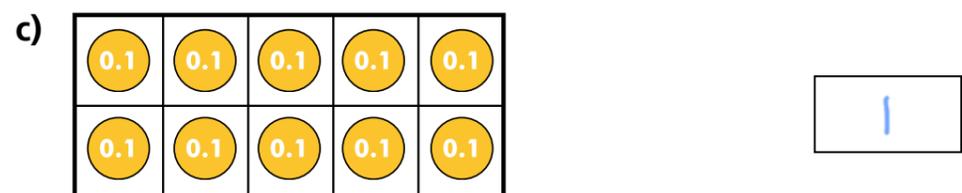
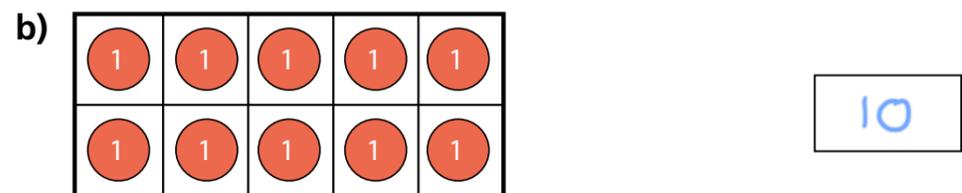
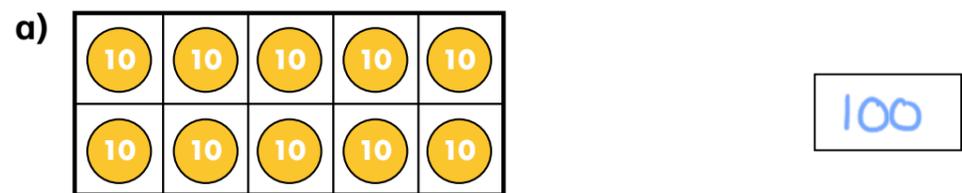
5 Match the equivalent fractions, decimals and words.



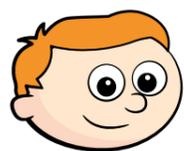
$\frac{3}{10}$ 0.7 four tenths
 $\frac{9}{10}$ 0.3 one tenth
 $\frac{7}{10}$ 0.4 three tenths
 $\frac{4}{10}$ 0.1 nine tenths
 $\frac{1}{10}$ 0.9 seven tenths



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



7



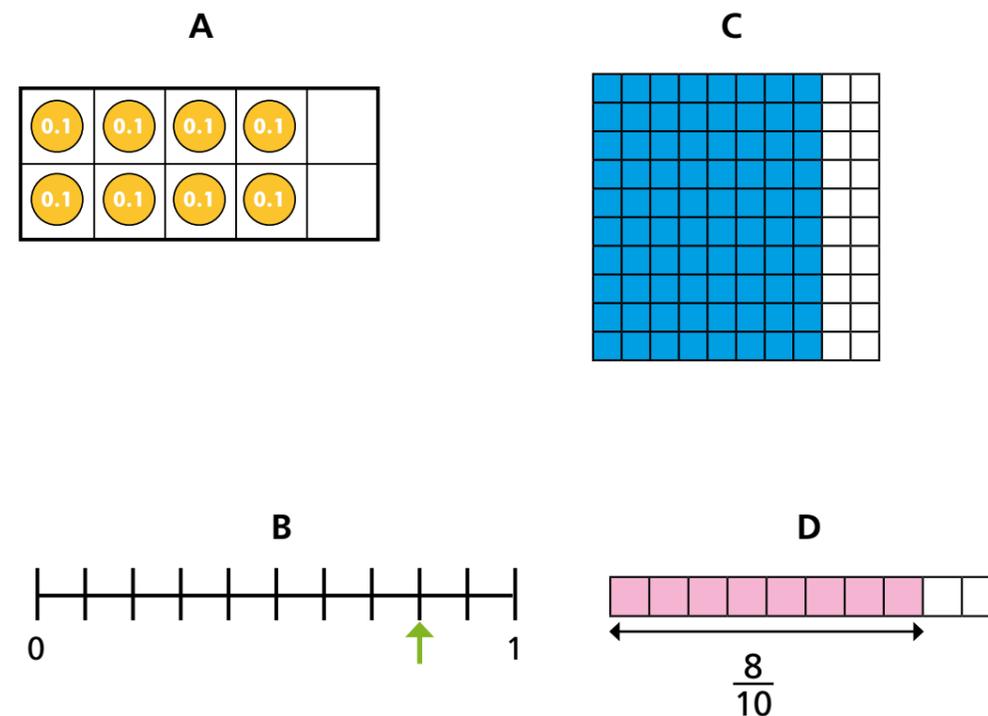
Nine tenths can be written 0.9, so ten tenths must be 0.10

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.



Which do you think is the best representation? _____

Discuss your answer with a partner.

Represent six tenths in each different way.

