

Wednesday Yellow challenge



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

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

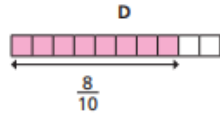
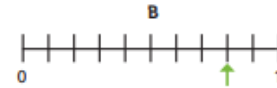
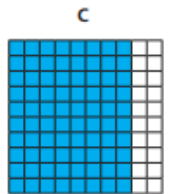
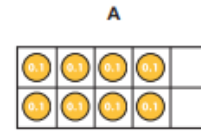
$$\frac{1}{10}$$

$$0.9$$

seven tenths

Do you agree with Ron?
Explain your answer.

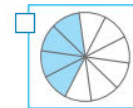
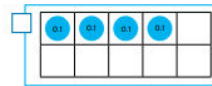
Eight tenths can be represented in all of the ways shown.



Which representations are equal to 0.4? Tick the correct representations:



four-hundredths

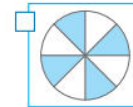
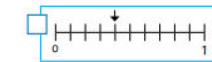


best representation?



$\frac{4}{100}$
 four-tenths

partner.



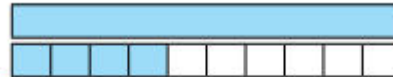
different way.

Jas and Lin write this representation in the ways shown:



Jas

$$1\frac{4}{10}$$



Lin

five-tenths



Are both children correct?

If not, can you explain what mistake they have made and what they should have written?

Sam is converting numbers written using whole numbers and fractions to decimals. This is his first conversion:

$$1\frac{8}{10} = 0.18$$

a) What mistake has he made?

b) Draw a model to help show Jas how to convert fractions to decimals. Write notes on your model to help explain.