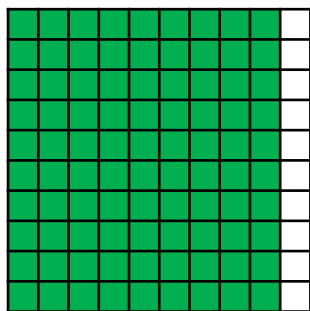


Tenths as Decimals

Tenths as Decimals

1a. Tanya is using a hundred square to represent a decimal.
She writes down the decimal as 0.7.

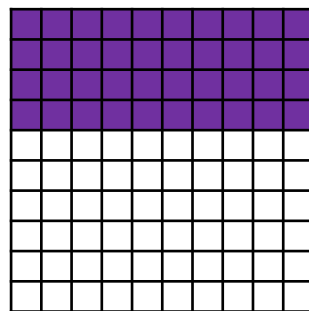


Is Tanya correct? Explain how you know.



R

1b. Ahmed is using a hundred square to represent a decimal.
He writes down the fraction as 0.4.



Is Ahmed correct? Explain how you know.



R

2a. Monica and Patrick are representing a number on a bar model.



The model shows 0.5.

Monica

The model shows 0.6.



Patrick

Who is correct? Explain your answer.



R

2b. Jenna and Arthur are representing a number on a bar model.



Jenna

The model shows 0.4.

The model shows $\frac{4}{10}$.



Arthur

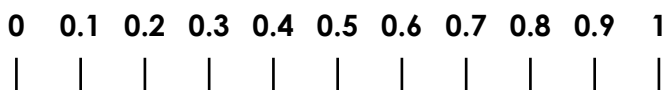
Who is correct? Explain your answer.



R

3a. Niamh is thinking of a decimal.

It comes between $\frac{4}{10}$ and $\frac{8}{10}$.



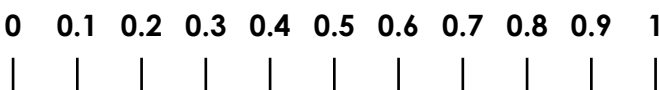
Write down 2 possibilities that Niamh's decimal could be.



PS

3b. David is thinking of a decimal.

It comes between $\frac{2}{10}$ and $\frac{6}{10}$.



Write down 2 possibilities that David's decimal could be.



PS

Tenths as Decimals

Tenths as Decimals

4a. Lucy is using a bar model to represent a decimal.
She writes down the decimal as 0.6.

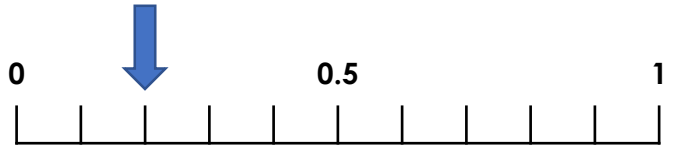


Is Lucy correct? Explain how you know.



R

4b. Jamie is using a number line to represent a decimal.
He writes down the decimal as 0.2.



Is Jamie correct? Explain how you know.



R

5a. Harry and Polly are discussing tenths.



Harry

Eight tenths = $\frac{8}{10}$.

0.8 = eight tenths.



Polly

Who is correct? Explain your answer.



R

5b. Jen and Charlie are discussing tenths.



Jen

Ten tenths = one whole.

Ten tenths = 0.1.



Charlie

Who is correct? Explain your answer.



R

6a. Peter is thinking of a decimal.

It comes between $\frac{3}{10}$ and $\frac{9}{10}$.

The tenth is an even number.



Write down 2 possibilities that Peter's decimal could be.



PS

6b. Madeleine is thinking of a decimal.

It comes between $\frac{1}{10}$ and $\frac{9}{10}$.

The tenth is an odd number.



Write down 2 possibilities that Madeleine's decimal could be.

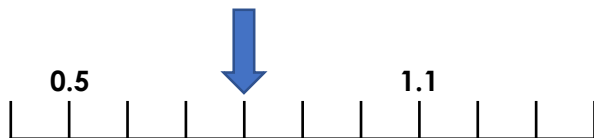


PS

Tenths as Decimals

Tenths as Decimals

7a. Alice is using a number line to represent a decimal.
She writes down the decimal as 0.9.

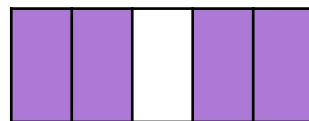


Is Alice correct? Explain how you know.



R

7b. Marcus is using a bar model to represent a decimal.
He writes down the decimal as 0.4.



Is Marcus correct? Explain how you know.



R

8a. Anita and Sebastian are discussing tenths.



Anita

Two fifths as a decimal is 0.2.

Two fifths as a decimal is 0.4.



Sebastian

Who is correct? Explain your answer.



R

8b. Blessing and Scarlett are discussing tenths.



Blessing

Six tenths = $\frac{3}{5}$.

0.6 = six tenths.



Scarlett

Who is correct? Explain your answer.



R

9a. Andrew is thinking of a decimal.

It is between $\frac{1}{5}$ and $\frac{5}{5}$.

The tenth is an even number.

It is greater than $\frac{5}{10}$.

Write down 2 possibilities that Andrew's decimal could be.



PS

9b. Stephanie is thinking of a decimal.

It is less than $\frac{4}{5}$.

The tenth is an odd number.

It is greater than $\frac{2}{10}$.

Write down 2 possibilities that Stephanie's decimal could be.



PS