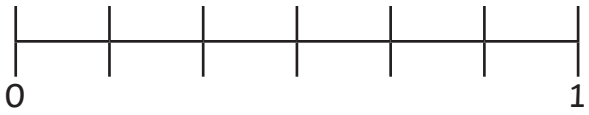
Fractions on a Number Line

1) Complete the sentences for each number line.

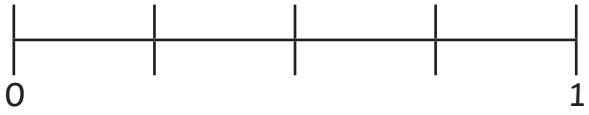
a)



The number line has been divided into _____ equal parts.

Each part represents $\frac{\square}{\square}$.

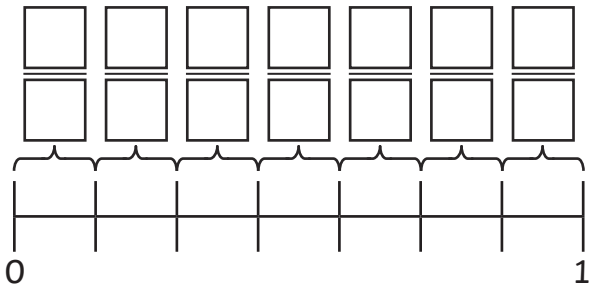
b)

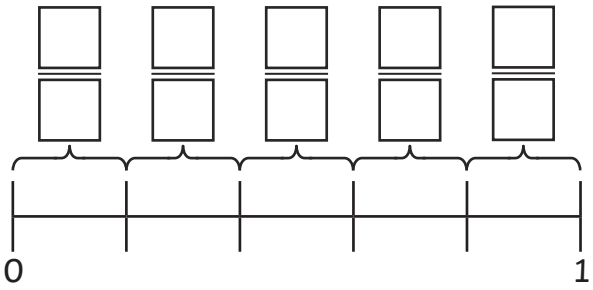


The number line has been divided into _____ equal parts.

Each part represents $\frac{\square}{\square}$.

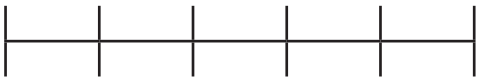
2) Fill in the missing fractions on each number line.



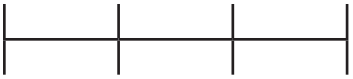


3) Match the number line to the fraction that represents each interval.

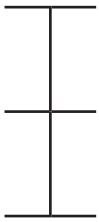
A



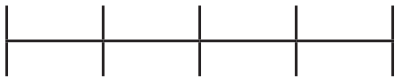
B



C



D



$\frac{1}{4}$

$\frac{1}{2}$

$\frac{1}{3}$

$\frac{1}{5}$

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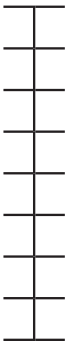
Fractions on a Number Line

1) Amrit and Elias are describing this number line. Whose statement do you agree with? Explain why.



Amrit

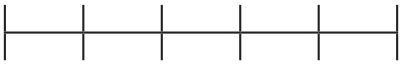
There are 8 equal intervals so each equal part shows $\frac{1}{8}$.

Elias

There are 9 division markers so each equal part shows $\frac{1}{9}$.

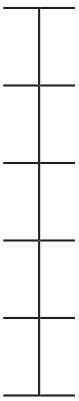
2) Which number line do you think is the odd one out? Explain your reasoning.

A

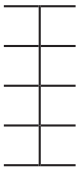


B

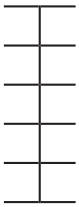
C



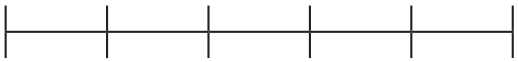
D



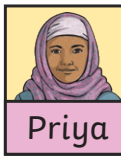
E



F



3) Priya has drawn this number line. Explain her error.



Priya

Each interval represents $\frac{1}{6}$.

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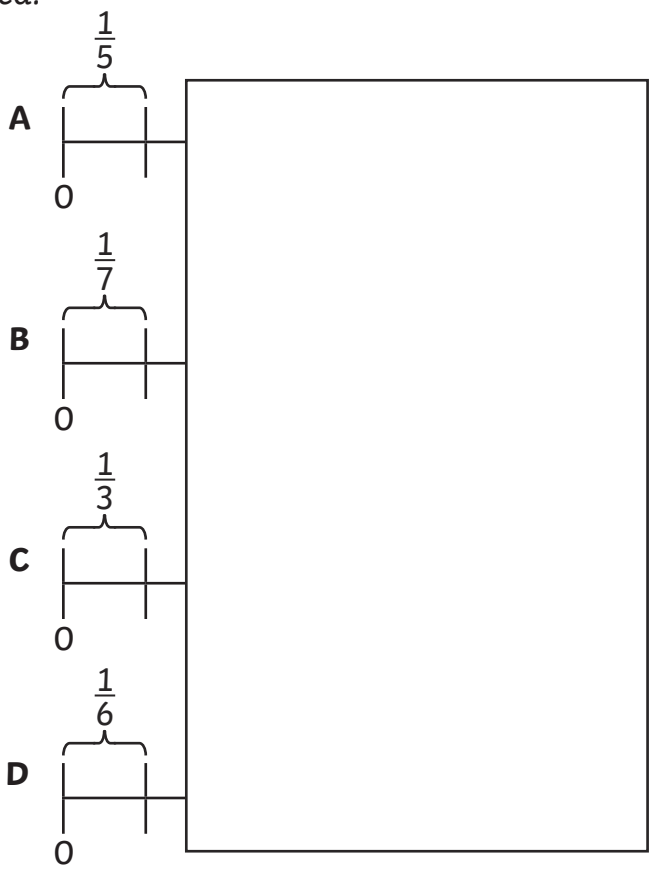
Fractions on a Number Line

1) Part of each number line has been covered.
Each number line shows 1 whole.
Order the number lines from longest to shortest.



2) Use the clues to identify how many equal parts each number line has been divided into and work out what fraction each equal part represents.

Number line B has been divided into twice as many equal parts as number line C.

Number line D has been divided into twice as many equal parts as number line A.

Number line B has been divided into 5 times as many equal parts as number line A.

Number line C has been divided into 5 equal parts.

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