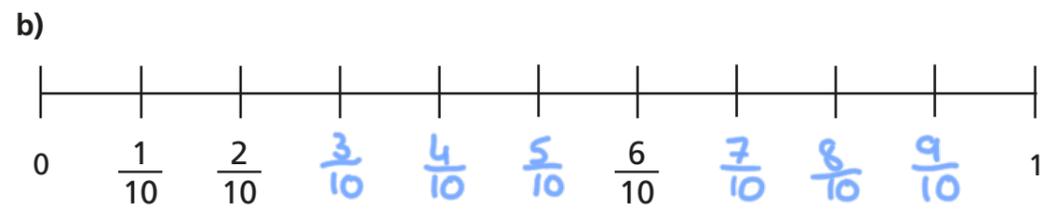


Interchange between fractional and decimal number lines

1 Complete the number lines.



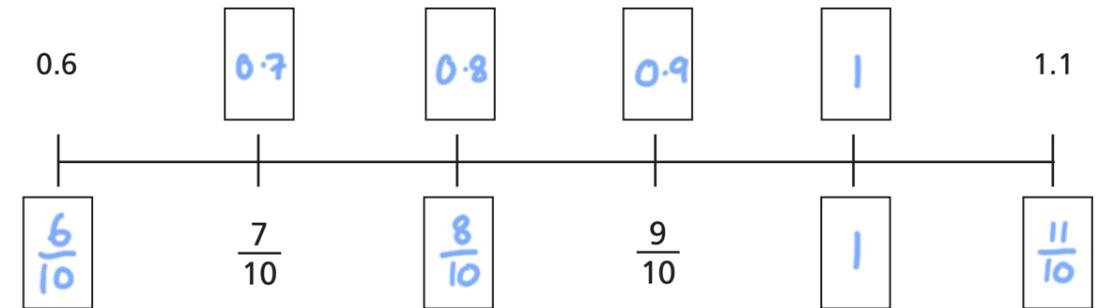
c) Are the number lines identical? Discuss with a partner.



2 Complete the number lines.

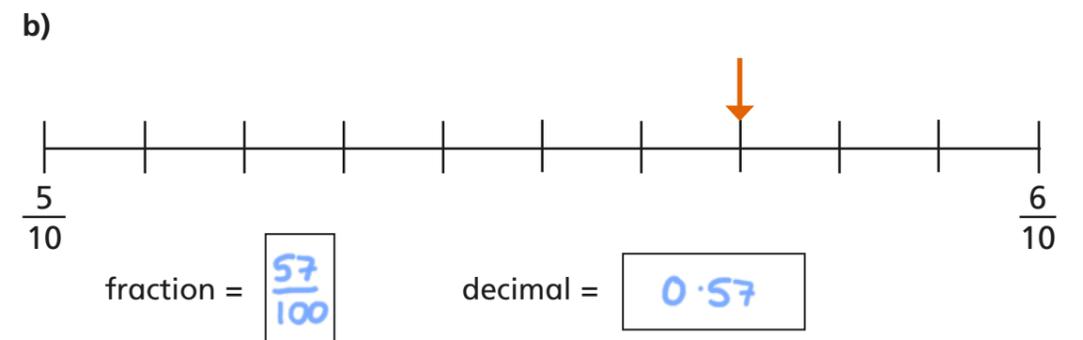
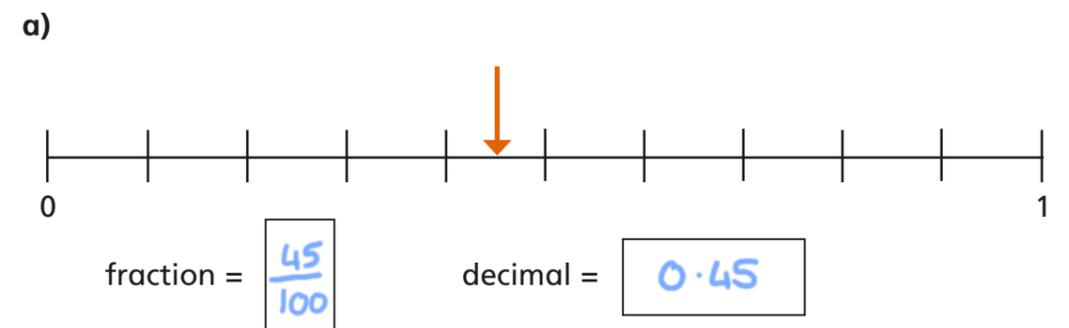


3 Complete the number line by filling in the empty boxes.



4 What numbers are the arrows pointing to?

Give each answer as a fraction and a decimal.

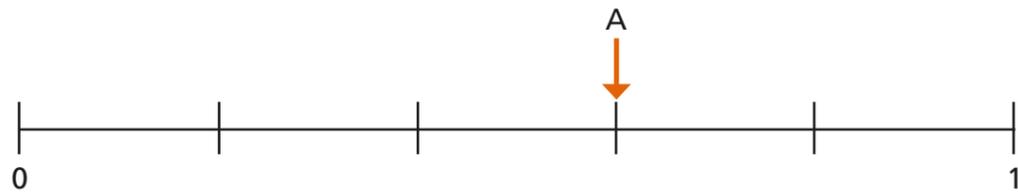


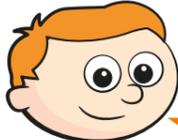
c) Point to another point on one of the number lines.

Ask your partner to tell you what the point is.



5 Ron and Whitney are reading numbers from a number line.



a)  A is pointing to 0.3

Ron is incorrect.

Explain the mistake that he has made.

He has assumed the number line is going up in 0.1s

b)  A is pointing to $\frac{6}{100}$

Whitney is incorrect.

Explain the mistake that she has made.

She has mixed up tenths and hundredths.

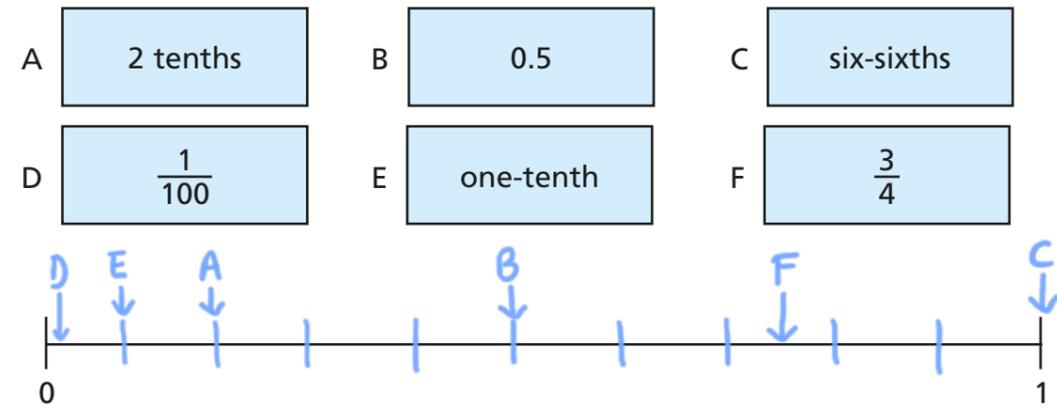
c) What number is A pointing to?

Give your answer as a fraction and a decimal.

A = $\frac{6}{10}$

A = 0.6

6 Show the approximate position of the numbers on the number line.

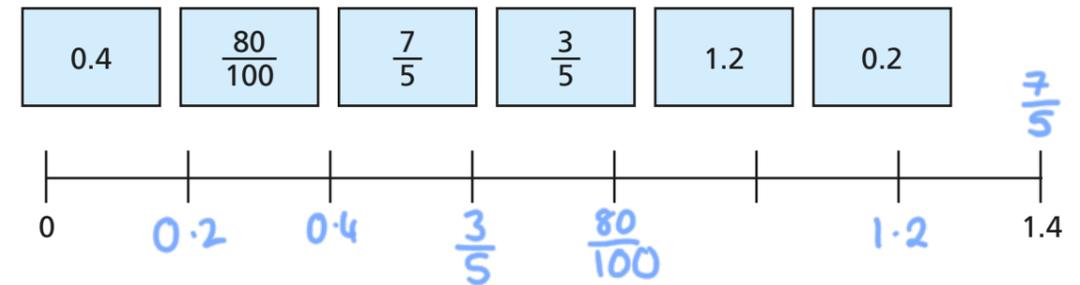


7 Dexter says that three-sixths is equal to 0.3



Mark both of these numbers on the number line to show that Dexter is incorrect.

8 Complete the number line, using the numbers in the boxes.



9 Explain why 11 tenths is a greater number than 73 hundredths.

$\frac{11}{10} > 1$ and $\frac{73}{100} < 1$ so $\frac{11}{10} > \frac{73}{100}$

