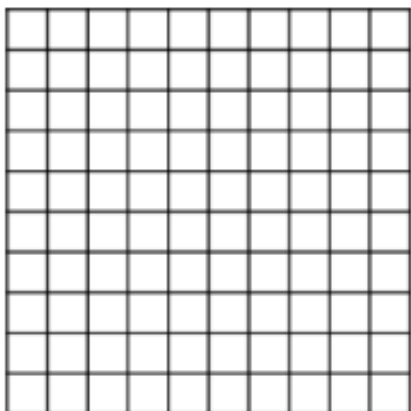


1) Exploring Tenths and Hundredths

It might be useful to print out or draw several blank hundred squares like the one below and shade or cut them into 10 equal parts to see the relationship between tenths and hundredths.

■ If the hundred square represents one whole :



Each square is \_\_\_ out of \_\_\_ equal squares.

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

Each row is \_\_\_ out of \_\_\_ equal rows.

Each row represents  $\frac{\square}{\square}$

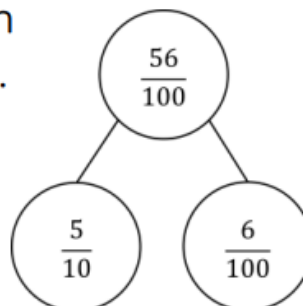
■ Complete the table.

Shaded	Tenths	Hundredths
20 squares	$\frac{2}{10}$	$\frac{20}{100}$
4 columns		
3 rows		
	$\frac{7}{10}$	

■ We can use a part-whole model to partition 56 hundredths into tenths and hundredths.

Partition into tenths and hundredths:

- 65 hundredths
- $\frac{31}{100}$
- 80 hundredths




Reasoning and Problem-Solving Tenths and Hundredths

Who is correct?


Dora

5 hundredths is equivalent to 50 tenths.



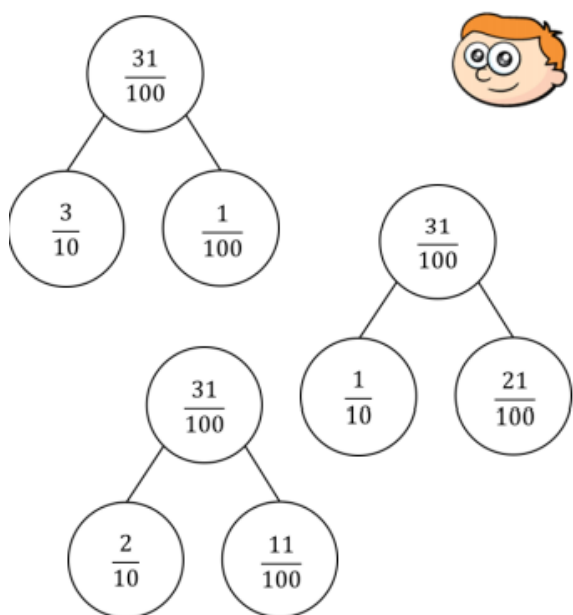
Amir

50 hundredths is equivalent to 5 tenths.



Explain why.

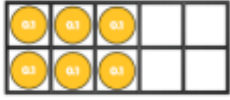
Ron says he can partition tenths and hundredths in more than one way.



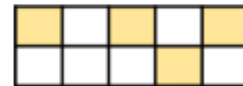
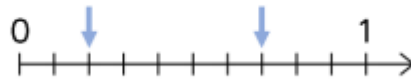
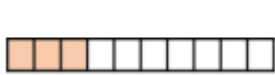
Use Ron's method to partition 42 hundredths in more than one way.

2) Tenths as Decimals

Complete the table.

Image	Words	Fraction	Decimal
			
	five tenths		
			0.9

What fractions and decimals are represented in these diagrams?



How could you represent these decimals?

0.4

0.8

0.2

Tenths as decimals reasoning and problem solving

Who is correct?

1.2 is equivalent to 1 whole and 2 tenths.

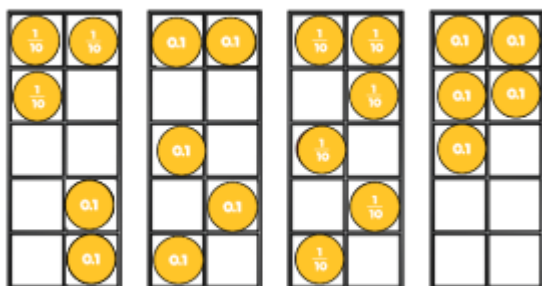


1.2 is equivalent to 12 tenths.

Dexter

Explain why.

Which ten frame is the odd one out?



Explain your answer.

3) Tenths on a place value grid

Complete the stem sentences for the decimals in the place value grid.



There are  ones and  tenths.

The decimal represented is

Use counters or place value counters to make the decimals on a place value grid.

0.2      1.2      0.8

Ones	Tenths
3	2

There are  ones and  tenths.  
 ones +  tenths  
 = 3 + 0.2  
 = 3.2

Use the place value grid and stem sentences to describe the decimals:

4.0      5.9      2.2

Reasoning and Problem Solving – Tenths

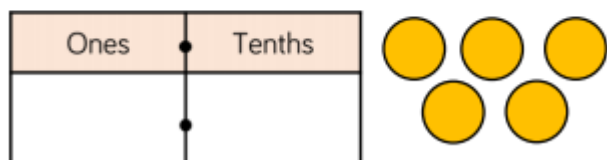
Use five counters and a place value grid.  
Place all five counters in either the ones or the tenths column.

How many different numbers can you make?

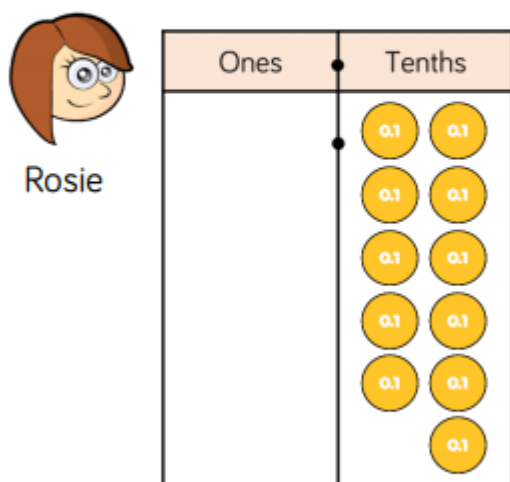
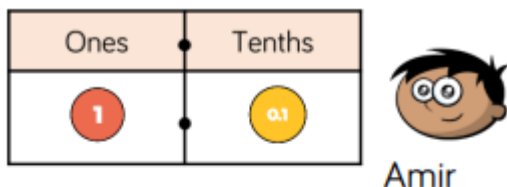
Describe the numbers you have made by completing the stem sentences.

There are  ones and  tenths.

$$\text{ ones} + \text{ tenths} = \text{$$



Two children are making eleven tenths.

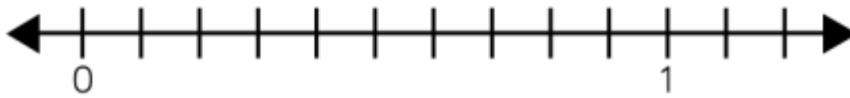


Who has made it correctly?  
Explain your answer.

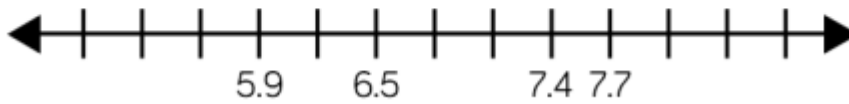
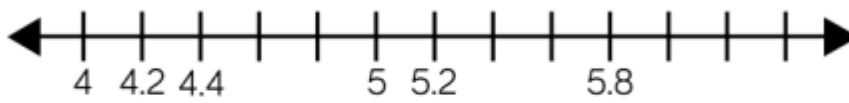
4) Tenths on a number line

Place the decimals on the number line.

0.5      0.9      1.1



Complete the number lines.

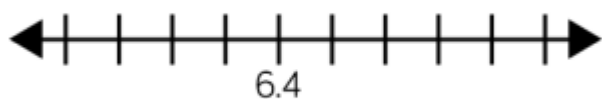


How long is the ribbon?



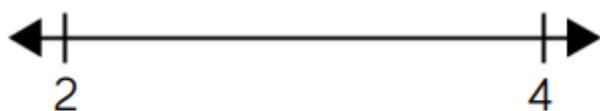
The ribbon is \_\_\_ metres long.

What could the start and end numbers on the number line be?



Explain your reasons.

Place the decimals on the number line.



- 2.7   2.3   1.9   2.5   2.9   3.2

Which order did you place your numbers on the number line?