

Summer term week 1 w/b 27th April 2020


Tenths:

<https://whiterosemaths.com/homelearning/year-3/>

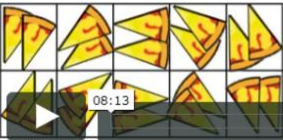
Click on week 1; lesson 3, 4 and 5: watch the videos then complete the activities.

Lesson 3 - Tenths

10 boys share 2 pizzas equally.



What fraction do they each get? They each get $\frac{2}{10}$



08:13

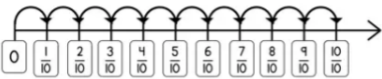
Get the Activity

Y3 Spring Block 5 WO3 Tenths 2019

Get the Answers

Y3 Spring Block 5 ANS3 Tenths 2019

Lesson 4 - Count in tenths



05:15

Get the Activity

Y3 Spring Block 5 WO4 Count in tenths 2019

Get the Answers

Y3 Spring Block 5 ANS4 Count in tenths 2019

Lesson 5 - Tenths as decimals

If we are using tenths, we need a new place value column.

Hundreds	Tens	Ones	Tenths

The tenths column is to the right of the ones column.

We use a \cdot to write numbers containing tenths.

10:08

Get the Activity

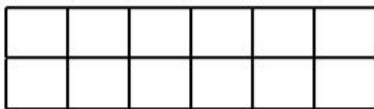
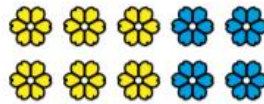
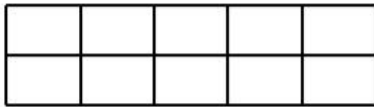
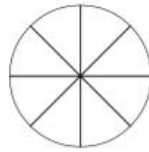
Y3 Spring Block 5 WO5 Tenths as decimals 2019

Get the Answers

Y3 Spring Block 5 ANS5 Tenths as decimals 2019

Lesson 3 activity: tenths

1 Tick the pictures that show tenths.



2 Write fractions to complete the sentences.

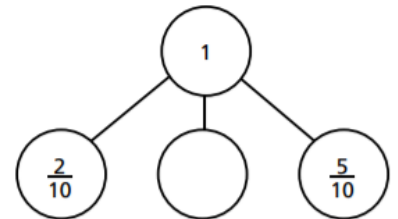


a) of the counters are yellow.

b) of the counters are red.

c) of the counters are green.

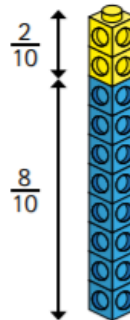
d)



3 Amir has some blue and yellow cubes.

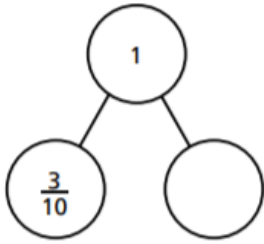
He makes a tower using 10 cubes.

Investigate how many different towers Amir can make with 10 cubes, if every tower has a different fraction of blue and yellow cubes.

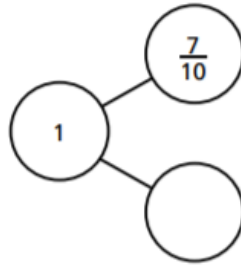


4 Complete the part-whole models.

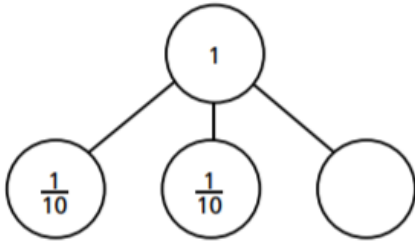
a)



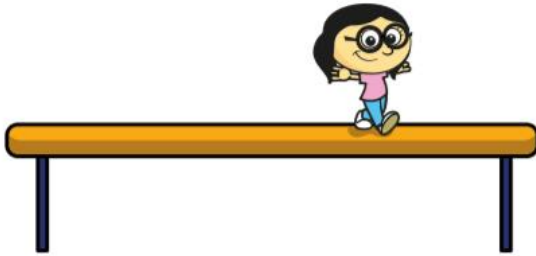
b)



c)



5 Annie has travelled $\frac{7}{10}$ of the way across a balance beam.



How many tenths does she have left to travel?

6 10 boys share 3 pizzas equally.



What fraction of a pizza do they each get?

7 Dani has a bag of sweets.

$\frac{1}{2}$ of the sweets are red.

$\frac{3}{10}$ of the sweets are yellow.

The rest are green.

What fraction of the sweets are green?



8 Mo also has a bag of sweets.

$\frac{4}{10}$ of his sweets are red.

The rest are green or yellow.

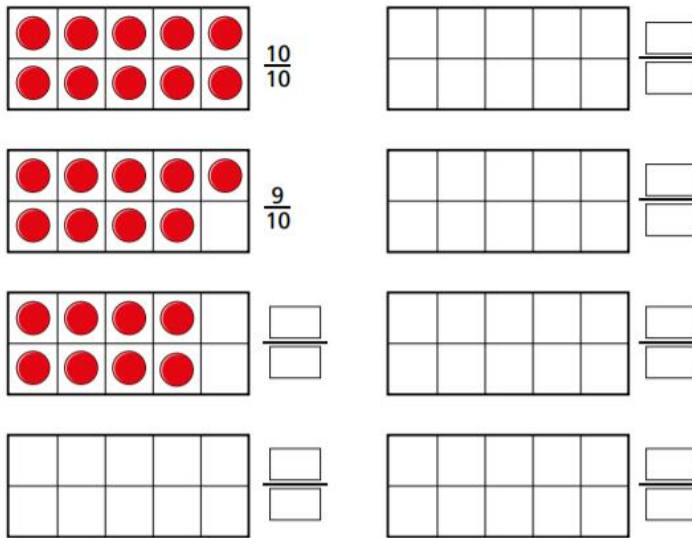
What fraction of Mo's sweets could be green?

What fraction could be yellow?

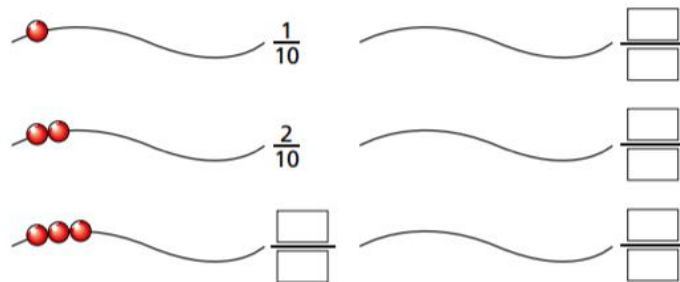
How many possible answers can you find?

Lesson 4 activity: Count in tenths

1 Continue the sequence.

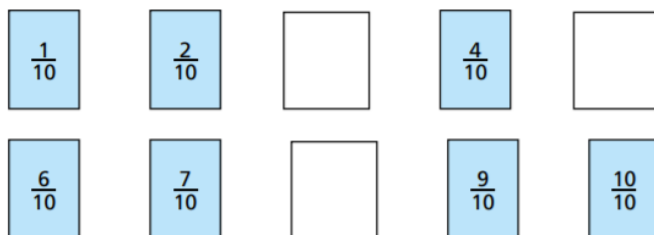


2 Continue the sequence.

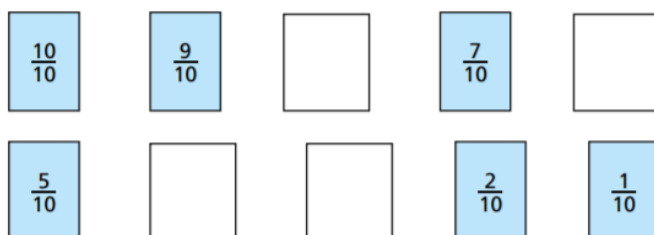


3 Write the missing fractions in each sequence.

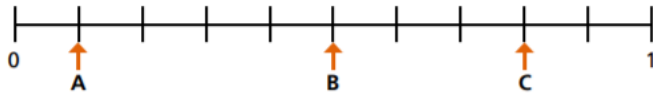
a)



b)



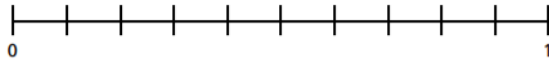
4 What fraction is each arrow pointing to?



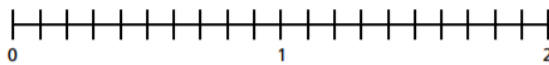
A = B = C =

5 Write the fractions in the correct places on the number lines.

a)

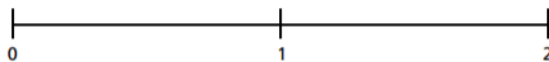


b)

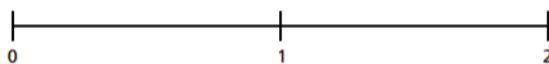


6 Draw and label arrows to estimate the position of the fractions on the number lines.

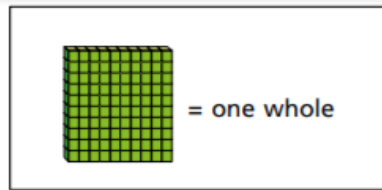
a)



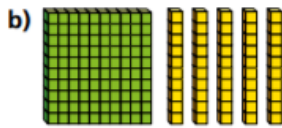
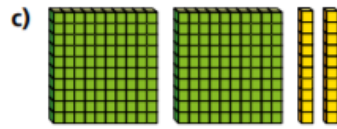
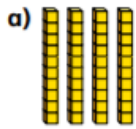
b)



7



What number is represented in each picture?



8 Whitney is thinking of a fraction.



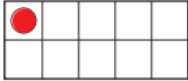
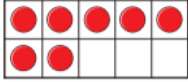
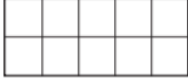

My fraction is more than one whole but less than 2
My fraction has an odd number as the numerator.

What could Whitney's fraction be?

List all the possible fractions.

Lesson 5 activity: Tenths as decimals

1 Complete the table.

Representation	Words	Fraction	Decimal
	1 tenth		0.1
		$\frac{7}{10}$	
			0.3
	5 tenths		

2 Match each bar model to the equivalent decimal.



0.8



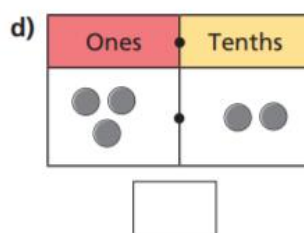
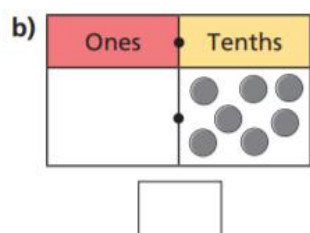
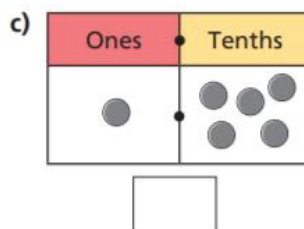
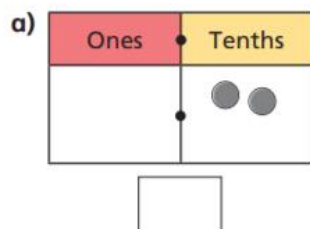
0.6



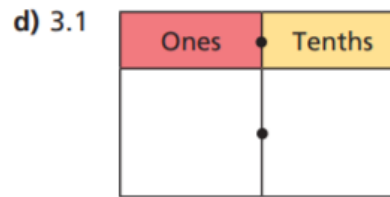
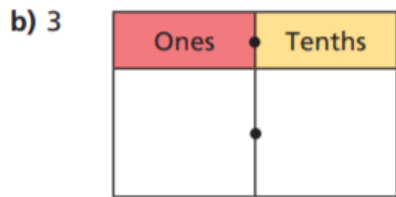
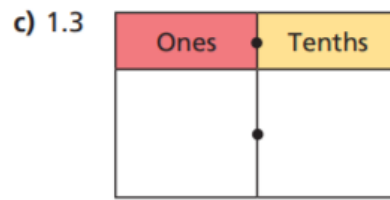
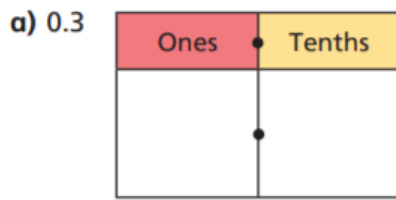
0.4

3 Mo is using a place value chart to represent numbers.

Write each number as a decimal.



4 Draw counters to represent the numbers.



5 Continue the pattern.

$\frac{1}{10}$	0.2	3 tenths	$\frac{4}{10}$	0.5
6 tenths				

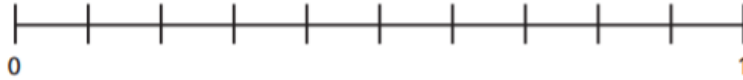
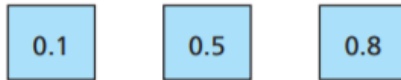
6 What decimal is each arrow pointing to?



A = B = C =

7 Estimate the position of the decimals on the number lines.

a)



b)



8 Complete the statements.

a) $0.2 > \frac{\square}{10}$

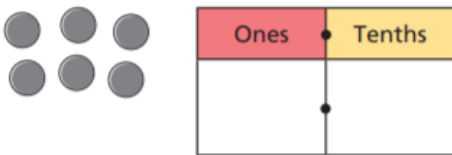
c) \square tenths = 0.7

b) $0.8 < \frac{\square}{10}$

d) $\square = \frac{12}{10}$

Is there more than one answer for each?

9 Aisha places 6 counters onto this place value chart.



List all the possible numbers she could represent.
