



MPI: Understanding equivalent fractions and decimals (tenths)

What fractions and decimals do the counters represent?

a)

fraction =

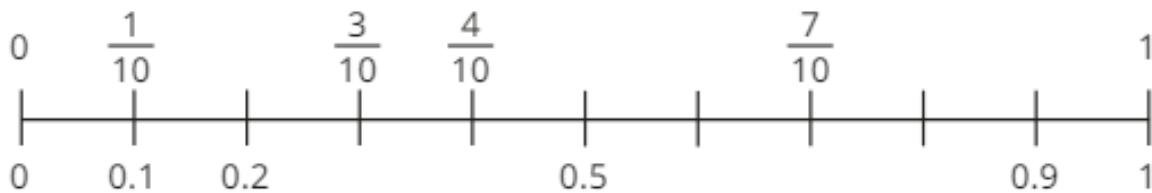
decimal =

b)

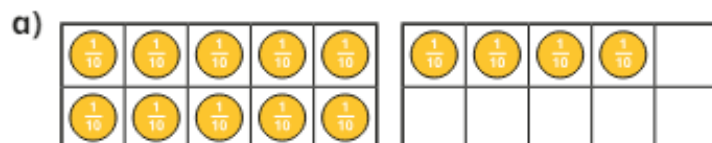
fraction =

decimal =

Complete the number line.



What fractions and decimals do the ten frames represent?





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Shade the bar models to show each number.

a) $\frac{7}{10}$



b) 0.3



What numbers are the arrows pointing to?

Give your answers as decimals and as mixed numbers.

a)



b)



Dora, Annie and Dexter are describing the same number.



I think it is $\frac{17}{10}$

Dora



I think it is 1.7

Annie



I think it is
1 and $\frac{7}{10}$

Dexter

They have all
said different numbers,
so someone must
be wrong.



Do you agree with Tiny?

Explain your answer.





MPI: Understanding equivalent fractions and decimals (tenths and hundredths)

What fractions and decimals do the counters represent?



fraction =

decimal =



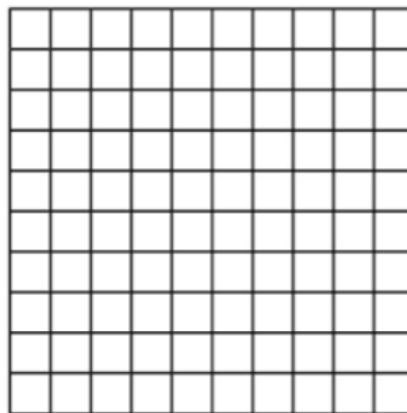
fraction =

decimal =

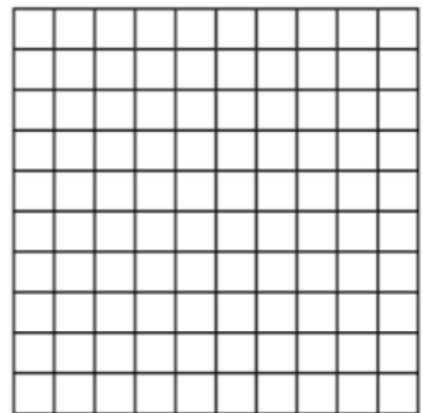
Shade the

hundred squares to
match the fraction or
decimal given.

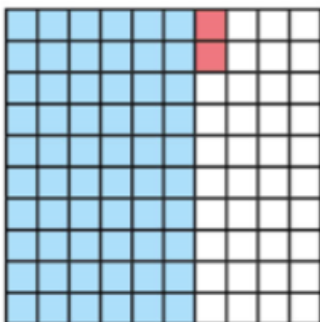
a) $\frac{7}{100}$



b) 0.09



Complete the sentences.



There are $\frac{\quad}{10}$ and $\frac{\quad}{100}$ shaded.

This shows the decimals

and

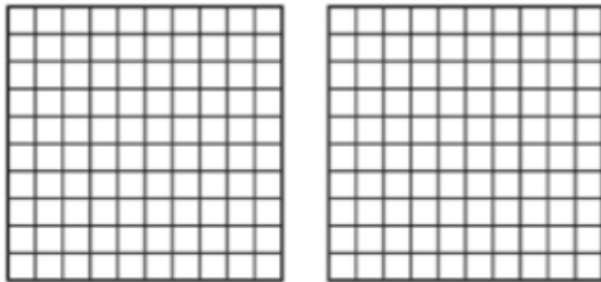
$\frac{\quad}{100}$ =



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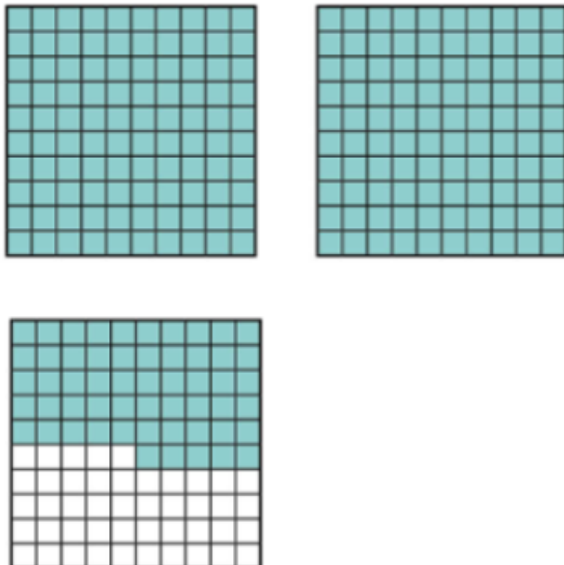
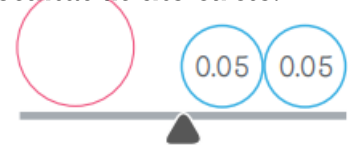
Shade the hundred squares to show the numbers.

a) 1.15



Write 0.82 as a fraction.
Give your answer in its simplest form.

Balance the scales by putting the equivalent fraction or decimal in the circle.



Josie says the number shown by the hundred squares is 2.5. IS she correct? Explain why or why not .

What is the equivalent fraction?



CHALLENGE

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Complete the table.

Decimal	Decimal (expanded form)	Fraction	Fraction (expanded form)	In words
2.13	$2 + 0.1 + 0.03$	$2\frac{13}{100}$	$2 + \frac{1}{10} + \frac{3}{100}$	2 ones, 1 tenth and 3 hundredths
4.37				
	$5 + 0.6 + 0.02$			
				8 ones and 2 hundredths
		$7\frac{81}{100}$		
			$9 + \frac{3}{100}$	

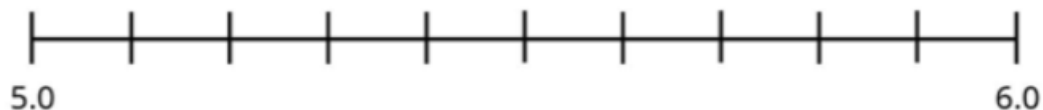
Estimate the positions of the fractions and decimals on the number line.

5.15

5.39

$5\frac{73}{100}$

$\frac{590}{100}$





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1.

What fractions and decimals do the counters represent?

a) 

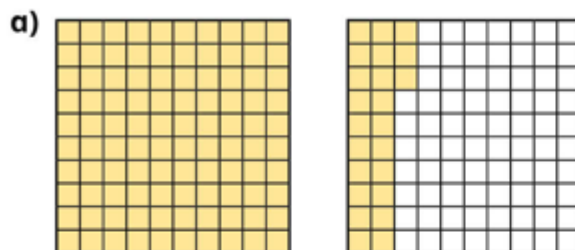
fraction = decimal =

b) 

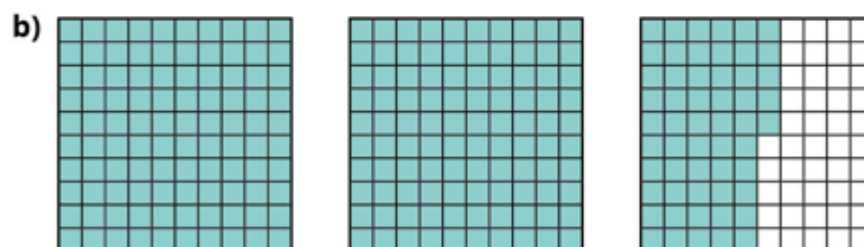
fraction = decimal =

What fractions and decimals are represented?

2.



$$1 \frac{23}{100} = \boxed{}$$



$$\boxed{} \frac{\boxed{}}{100} = \boxed{}$$