

DAY ONE ANSWERS

Activity 1:

$42 \div 10 = \square$

Tens	Ones	Tenths	Hundredths
4	2		

The answer is 4.2

$\square = 26 \div 10$

Tens	Ones	Tenths	Hundredths
	2	6	

The answer is 2.6

$35 \div 10 = \square$

Tens	Ones	Tenths	Hundredths
3	5		

The answer is 3.5

Activity 2:

1.3

Activity 3:

$19 \div 10 = \square$

Tens	Ones	Tenths	Hundredths
1	9		

When dividing by 10, we move the digits one place to the right.

Tens	Ones	Tenths	Hundredths
	1	9	

$\square = 47 \div 10$

Tens	Ones	Tenths	Hundredths
4	7		

When dividing by 10, we move the digits one place to the right.

Tens	Ones	Tenths	Hundredths
	4	7	

Activity 4:

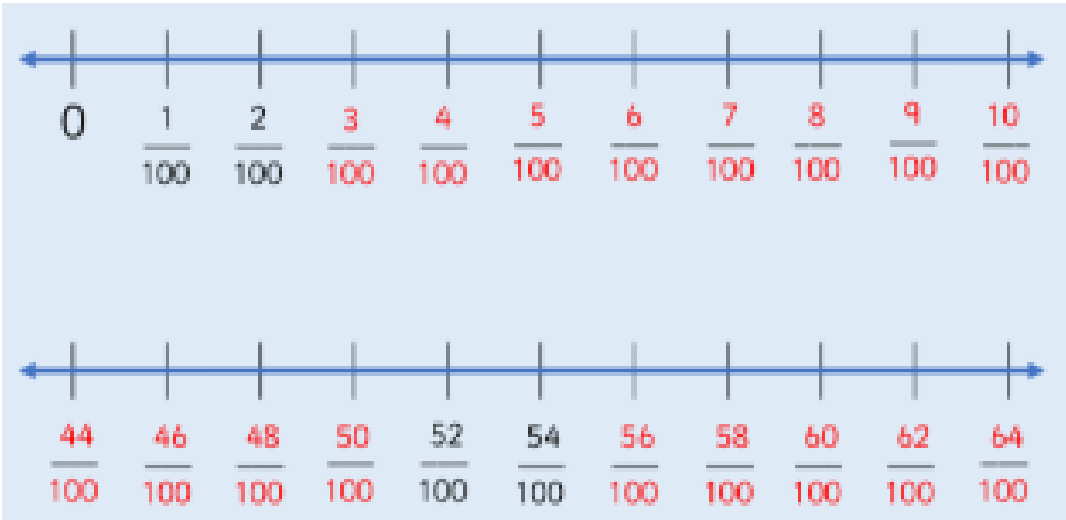
Tia’s original number was 37. You can move each counter up one to multiply them by 10, which is the inverse to division.

Activity 5:

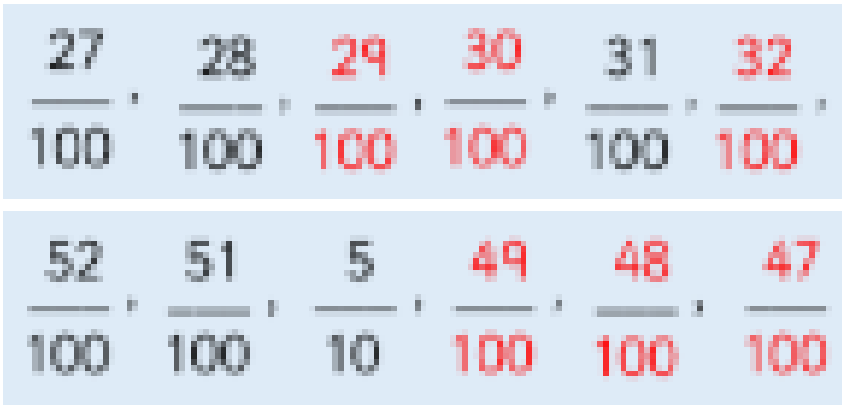
Children should give an example of when Rosie is incorrect. E.g. when you divide 80 by 10, the answer is 8 so you don’t need anything in the tenths column.

DAY TWO ANSWERS

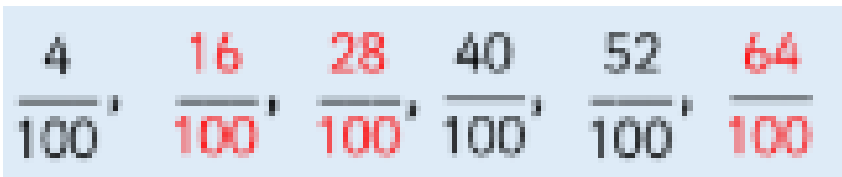
Activity 1:



Activity 2:



Activity 3:



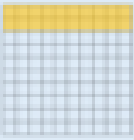
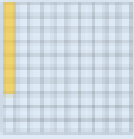
Activity 4:

2 tenths and 2 hundredths = 1 tenth and 12 hundredths

13 hundredths and 3 tenths = 3 tenths and 13 hundredths

DAY THREE ANSWERS

Activity 1:

Image	Words	Fraction	Decimals
	56 hundredths	$\frac{56}{100}$	0.56
	17 hundredths	$\frac{17}{100}$	0.17
	20 hundredths	$\frac{20}{100}$	0.2
	7 hundredths	$\frac{7}{100}$	0.07

Activity 2:

This is 4 hundredths.
0.04
4
—
100

Activity 3:

This is 3 hundredths.
0.03
3
—
100

Activity 4:

Leanna is wrong because she has mistaken hundredths for hundreds.

DAY FOUR ANSWERS

Activity 1:

There is 1 one.
There are 3 tenths.
There are 0 hundredths.
The decimal represented in 1.3

There are 3 ones.
There are 0 tenths.
There are 4 hundredths.
The decimal represented is 3.04

Activity 2:

0.34

Ones	Tenths	Hundredths
	3	4

There are 0 ones.

There are 3 tenths.

There are 4 hundredths.

2.15

Ones	Tenths	Hundredths
2	1	5

There are 2 ones.

There are 1 tenths.

There are 5 hundredths.

0.03

Ones	Tenths	Hundredths
		3

There are 0 ones.

There are 0 tenths.

There are 3 hundredths.

1.01

Ones	Tenths	Hundredths
1		1

There are 1 ones.

There are 0 tenths.

There are 1 hundredths.

Activity 3:

0.27

Ones	Tenths	Hundredths
	2	7

$\frac{27}{100}$

$\frac{2}{10}$ $\frac{7}{100}$

$\frac{27}{100}$

$\frac{1}{10}$ $\frac{17}{100}$

0.72

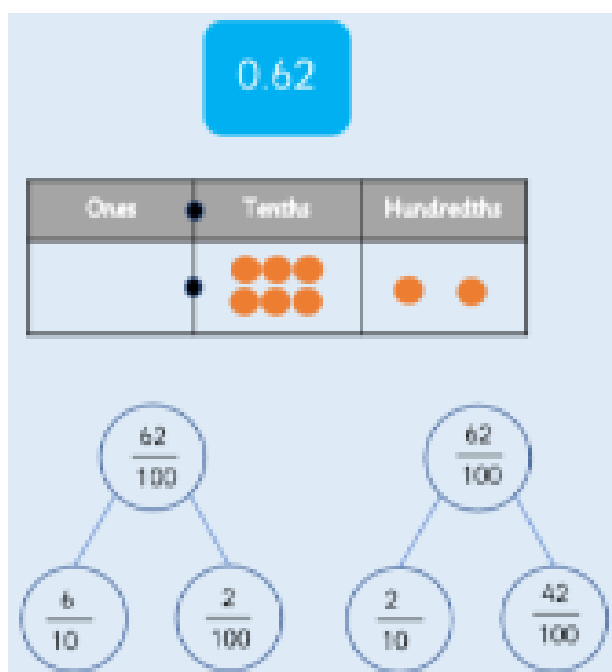
Ones	Tenths	Hundredths
	7	2

$\frac{72}{100}$

$\frac{7}{10}$ $\frac{2}{100}$

$\frac{72}{100}$

$\frac{2}{10}$ $\frac{52}{100}$



Activity 4:

Children may partition 0.54 into:

0 tenths and 54 hundredths

1 tenth and 44 hundredths

2 tenths and 34 hundredths

3 tenths and 24 hundredths

4 tenths and 14 hundredths

5 tenths and 4 hundredths

Other ways of partitioning are possible.

DAY FIVE ANSWERS

Activity 1:

$4 \div 100 =$

Tens	Ones		Tenths	Hundredths
	<div><div></div><div></div><div></div><div></div></div>			

$4 \div 100 =$

0.04

Tens	Ones		Tenths	Hundredths
				<div><div></div><div></div><div></div><div></div></div>

$5 \div 100 =$

Tens	Ones		Tenths	Hundredths
	<div><div></div><div></div><div></div><div></div><div></div></div>			

$5 \div 100 =$

0.05

Tens	Ones		Tenths	Hundredths
				<div><div></div><div></div><div></div><div></div><div></div></div>

Activity 2:

Describe the pattern: E.g. 6000 is 10 times bigger than 600, therefore the answer has to be 10 times bigger as the divisor has remained the same.

For 3500:

$3500 \div 100 = 35$

$350 \div 100 = 3.5$

$35 \div 100 = 0.35$

$3.5 \div 100 = 0.035$

Activity 3:

Malachi and Zach are both correct.