

1 Represent the numbers on a place value chart.

Write the decimal.

- a) 5 ones, 7 tenths, 0 hundredths and 2 thousandths
- b) 0 ones, 6 tenths, 2 hundredths and 9 thousandths
- c) 7 ones, 0 tenths, 1 hundredth and 3 thousandths
- d) 5 ones, 6 tenths, 7 hundredths and 0 thousandths
- e) What would these numbers be as fractions?

Talk about it with a partner.

2 Write each number as a decimal.

- a)  $4 \frac{514}{1000}$
- b)  $6 \frac{325}{1000}$
- c)  $2 \frac{250}{1000}$
- d)  $1 \frac{50}{1000}$
- e)  $4 \frac{5}{1000}$
- f)  $\frac{2}{1000}$

3 Mo is placing decimal numbers on a number line.

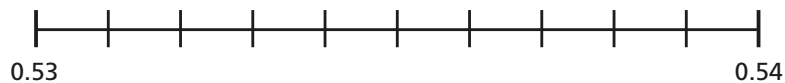
Draw an arrow from each number to its position on the number line.

0.532

0.535

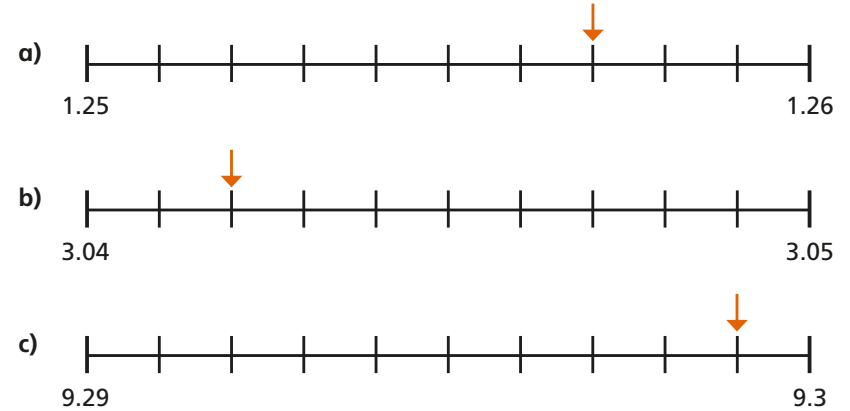
0.538

$\frac{539}{1000}$



4 What number is the arrow pointing to?

Write each number as a decimal and as a fraction.



5 Complete the table to continue the pattern.

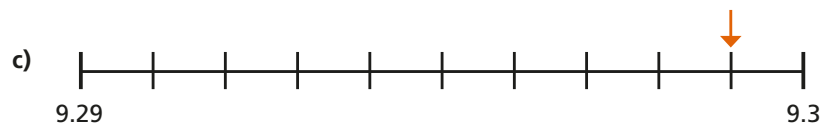
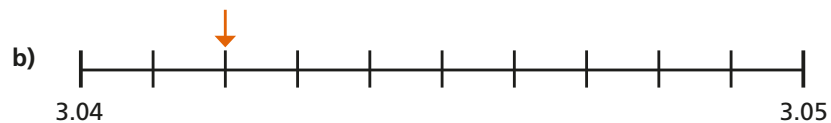
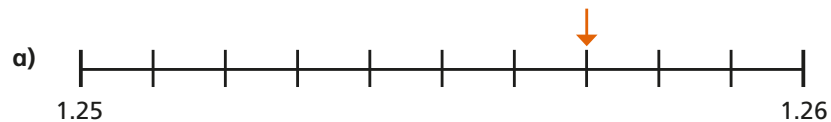
$\frac{57}{1000}$	$\frac{58}{1000}$	<input style="width: 40px; height: 30px;" type="text"/>	<input style="width: 40px; height: 30px;" type="text"/>				
0.057							

6 Write a decimal to complete the statement.

- a)  $\frac{7}{10} + \frac{3}{100} + \frac{9}{1000} = \boxed{\phantom{000}}$
- d)  $\frac{2}{10} + \frac{7}{1000} = \boxed{\phantom{000}}$
- b)  $\frac{9}{10} + \frac{7}{100} + \frac{1}{1000} = \boxed{\phantom{000}}$
- e)  $\frac{6}{100} + \frac{3}{1000} = \boxed{\phantom{000}}$
- c)  $\frac{7}{100} + \frac{9}{10} + \frac{1}{1000} = \boxed{\phantom{000}}$

4 What number is the arrow pointing to?

Write each number as a decimal and as a fraction.



5 Complete the table to continue the pattern.

$\frac{57}{1000}$	$\frac{58}{1000}$	$\frac{\square}{1000}$	$\frac{\square}{1000}$				
0.057							

6 Write a decimal to complete the statement.

a)  $\frac{7}{10} + \frac{3}{100} + \frac{9}{1000} = \square$

b)  $\frac{9}{10} + \frac{7}{100} + \frac{1}{1000} = \square$

c)  $\frac{7}{100} + \frac{9}{10} + \frac{1}{1000} = \square$

d)  $\frac{2}{10} + \frac{7}{1000} = \square$

e)  $\frac{6}{100} + \frac{3}{1000} = \square$

7 Eva has 12 plain counters.

She makes numbers using the place value chart.

1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$

a) List five numbers that Eva could make.

b) What is the greatest and smallest number she can make with all 12 counters?

8 Whitney is representing 0.536

$$\frac{50}{100} + \frac{18}{1000} + \frac{18}{1000}$$

a) Is Whitney correct?

Explain your answer.

b) Partition Whitney's number another way.