Thousandths as decimals

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 the mixed numbers as decimals.

a) $4 \frac{514}{1000} = $ ⬜

d) $1 \frac{50}{1000} = $ ⬜

b) $6 \frac{325}{1000} = $ ⬜

e) $4 \frac{5}{1000} = $ ⬜

c) $2 \frac{250}{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.
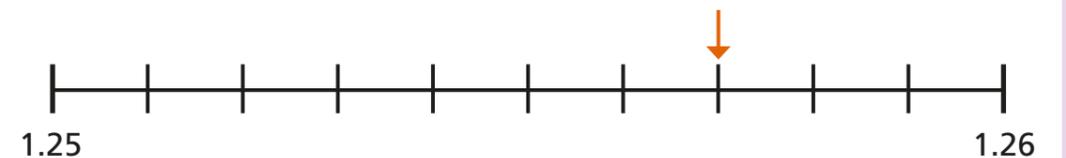
| 0.532 | 0.535 | 0.538 | $\frac{539}{1000}$ |

0.53 ———————————————— 0.54
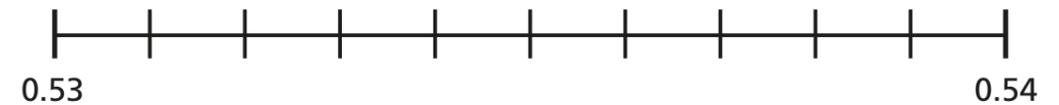
4 What number is the arrow pointing to?

Write each number as a decimal and as a fraction.

a)

1.25 ———————————————— 1.26

decimal = ⬜   fraction = $\frac{\boxed{}}{1000}$

b)

3.04 ———————————————— 3.05

decimal = ⬜   fraction = $\frac{\boxed{}}{1000}$

c)

9.29 ———————————————— 9.3
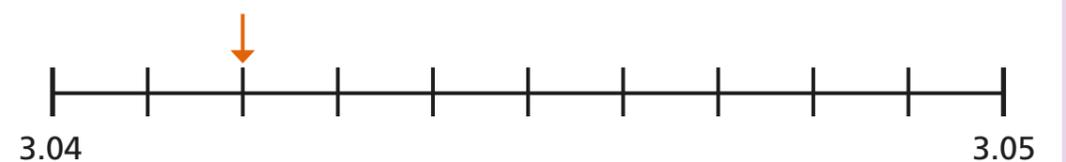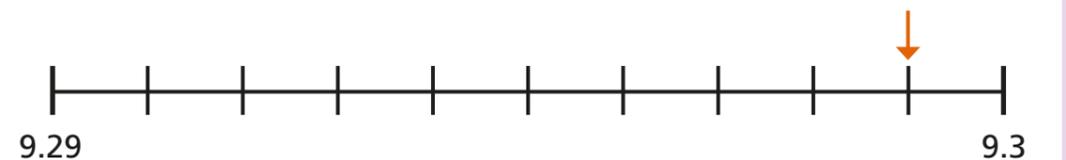
decimal = ⬜   fraction = $\frac{\boxed{}}{1000}$

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

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

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

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

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

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?

greatest $\boxed{}$ smallest $\boxed{}$

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.

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