

# 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

5.702

b) 0 ones, 6 tenths, 2 hundredths and 9 thousandths

0.629

c) 7 ones, 0 tenths, 1 hundredth and 3 thousandths

7.013

d) 5 ones, 6 tenths, 7 hundredths and 0 thousandths

5.67

e) What would these numbers be as fractions?

Talk about it with a partner.

2 Write the mixed numbers as decimals.

a)  $4 \frac{514}{1000} = 4.514$

d)  $1 \frac{50}{1000} = 1.05$

b)  $6 \frac{325}{1000} = 6.325$

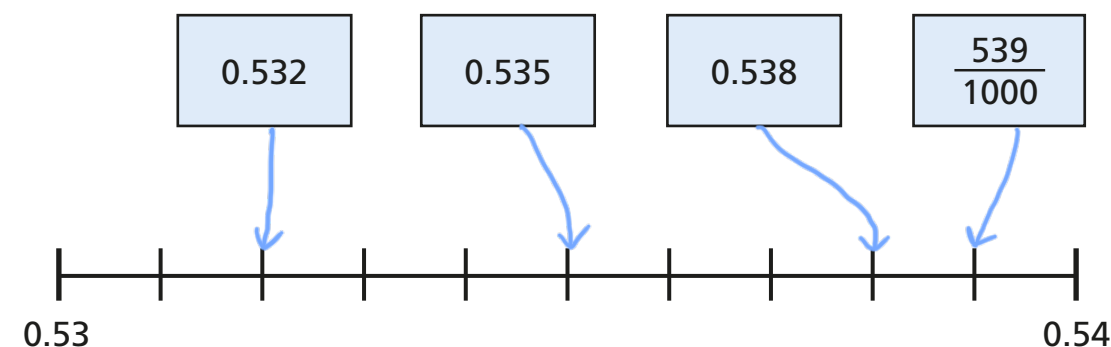
e)  $4 \frac{5}{1000} = 4.005$

c)  $2 \frac{250}{1000} = 2.25$

f)  $\frac{2}{1000} = 0.002$

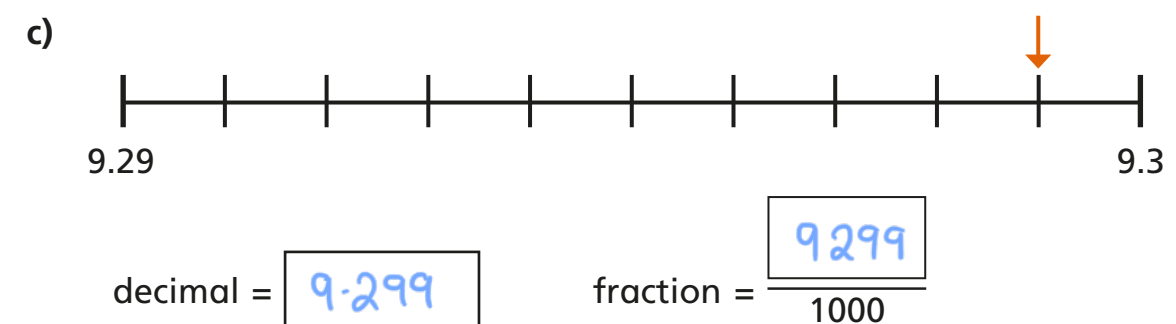
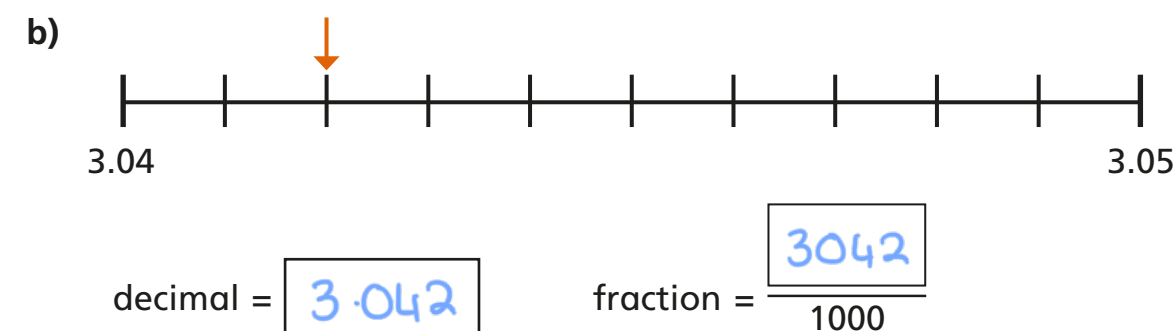
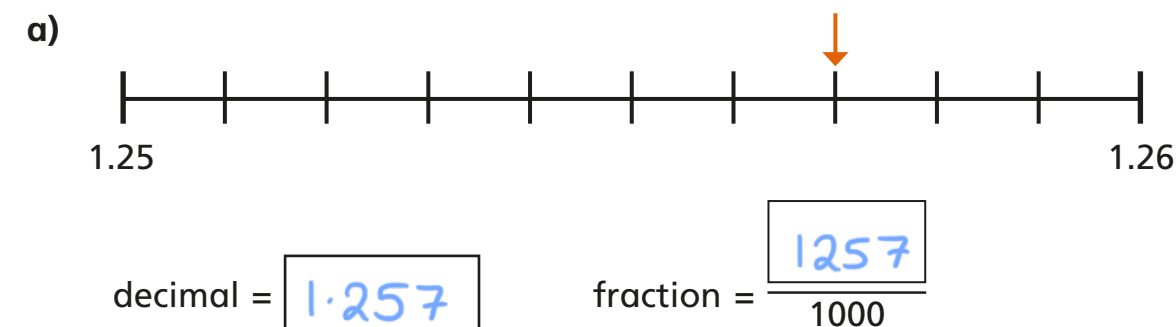
3 Mo is placing decimal numbers on a number line.

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



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.

$\frac{57}{1000}$	$\frac{58}{1000}$	$\frac{59}{1000}$	$\frac{60}{1000}$	$\frac{61}{1000}$	$\frac{62}{1000}$	$\frac{63}{1000}$	$\frac{64}{1000}$
0.057	0.058	0.059	0.06	0.061	0.062	0.063	0.064

- 6 Write a decimal to complete the statement.

a)  $\frac{7}{10} + \frac{3}{100} + \frac{9}{1000} =$  0.739

b)  $\frac{9}{10} + \frac{7}{100} + \frac{1}{1000} =$  0.971

c)  $\frac{7}{100} + \frac{9}{10} + \frac{1}{1000} =$  0.971

d)  $\frac{2}{10} + \frac{7}{1000} =$  0.207

e)  $\frac{6}{100} + \frac{3}{1000} =$  0.063

- 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.

e.g. 5.304      6.024      10.011  
3.441      1.551

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

greatest 12      smallest 0.012

- 8 Whitney is representing 0.536

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

- a) Is Whitney correct? yes

Explain your answer.

- b) Partition Whitney's number another way.

e.g.  $0.536 = \frac{1}{2} + \frac{3}{100} + \frac{6}{1000}$

