Tenths on a place value grid
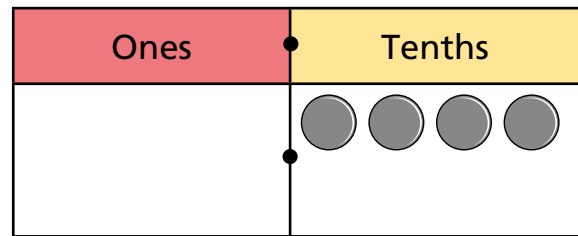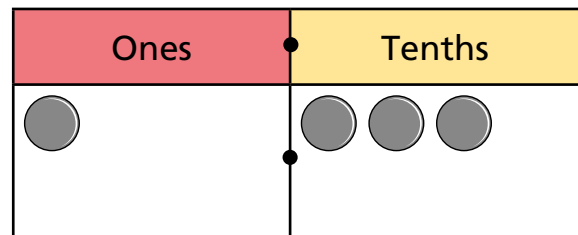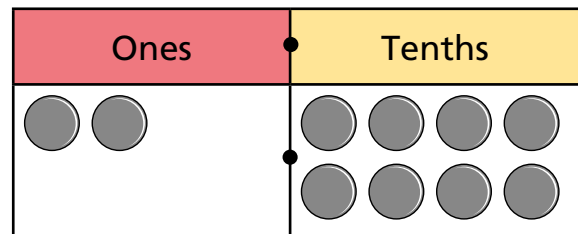
1 Write the decimal that is shown in each place value chart.

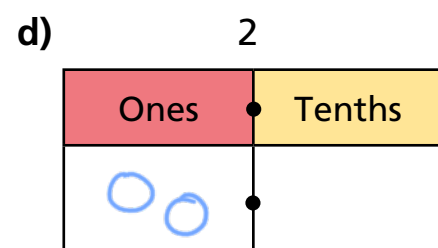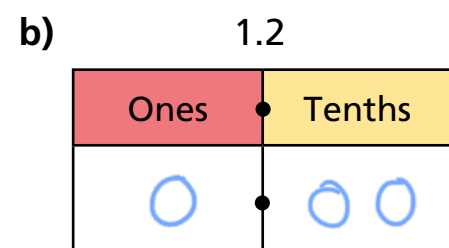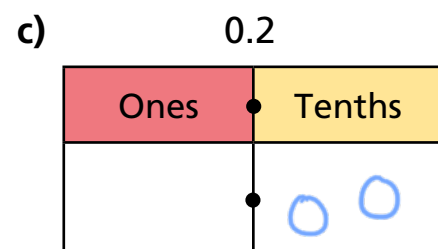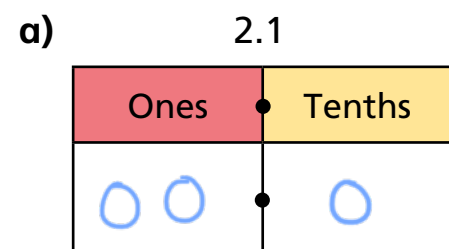| Ones	Tenths
	●●●●

0·4

Ones	Tenths
●	●●●

1·3

Ones	Tenths
●●	●●●● ●●●●

2·8

2 Draw counters on the place value charts to represent each number.

a) 2.1

Ones	Tenths
○○	○

c) 0.2

Ones	Tenths
	○ ○

b) 1.2

Ones	Tenths
○	○ ○

d) 2

Ones	Tenths
○ ○	

3 Rosie is using this place value chart to make numbers.

Ones	Tenths

●●●●●●●●
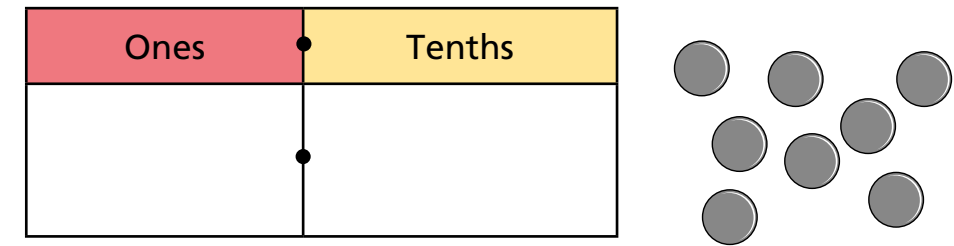
She uses all 8 counters each time.

Complete the sentences.

a) The smallest number possible is [0·8]

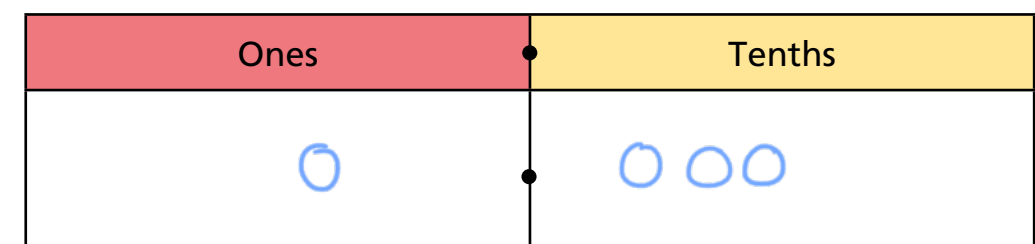**b)** The greatest number possible is [8]

c) A number between 3 and 4 is [3·5]

d) The closest possible number to 5 is [5·3]

4 Tommy has made a number on a place value chart.
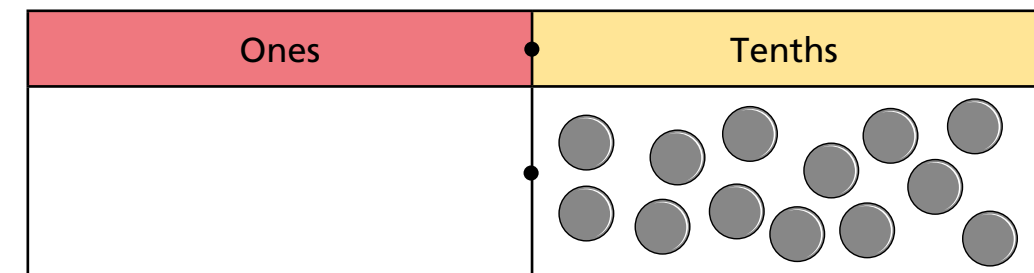
Ones	Tenths
	●●●●●●●●●●●●●

a) What number has Tommy represented? [1·3]

b) Draw counters to show how Tommy could have represented this differently.

Ones	Tenths
○	○ ○○

c) What method did you use? Talk about it with a partner.

5 Complete the number sentences to match the place value charts.

a)

Ones	Tenths
2	6

There are 2 ones and 6 tenths.

 2 ones + 6 tenths = 2 + 0·6 = 2·6

b)

Ones	Tenths
0	9

There are 0 ones and 9 tenths.

 0 ones + 9 tenths = 0 + 0.9 = 0·9

6 Draw counters to represent each number.

Write each number as a decimal.

a) There are 3 ones and 2 tenths.

Ones	Tenths
○ ○ ○	○ ○

 3·2

b) There are 5 ones and 2 tenths.

Ones	Tenths
○ ○ ○ ○ ○	○ ○

 5·2

c) There are 2 tenths.

Ones	Tenths
	○ ○

 0·2

7 Match the written numbers to the place value charts.

| one tenth |

| twenty-one tenths |

| twelve tenths |

| ten tenths |

Ones	Tenths
1	2

Ones	Tenths
2	1

Ones	Tenths
1	0

Ones	Tenths
0	1

8

Six tenths added to four tenths makes ten tenths, which is a whole.

How many other ways can you make a whole from tenths?

$\frac{1}{10} + \frac{9}{10} = 1$ $\frac{2}{10} + \frac{8}{10} = 1$ $\frac{3}{10} + \frac{7}{10} = 1$ $\frac{4}{10} + \frac{6}{10} = 1$

$\frac{5}{10} + \frac{5}{10} = 1$ $\frac{6}{10} + \frac{4}{10} = 1$ $\frac{7}{10} + \frac{3}{10} = 1$ $\frac{8}{10} + \frac{2}{10} = 1$

$\frac{9}{10} + \frac{1}{10} = 1$