Tenths on a number line

1 Fill in the decimal numbers on each number line.

a)

0 [ ] [ ] [ ] 1

b)

7 [ ] [ ] 8

c)

10 [ ] [ ] [ ] 11
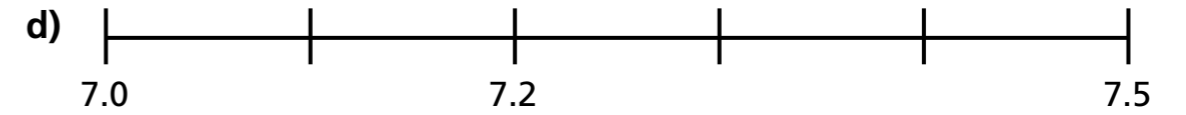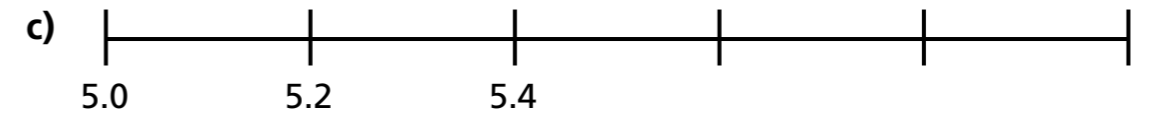
2 Complete the number lines.

a)

1.0   1.1   1.2

b)

2.6   2.7   2.8

c)

5.0   5.2   5.4

d)

7.0   7.2   7.5
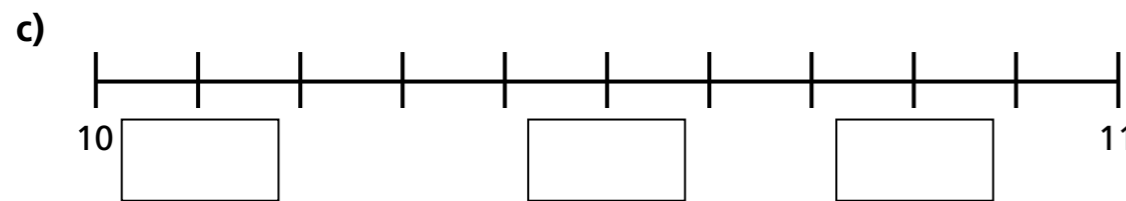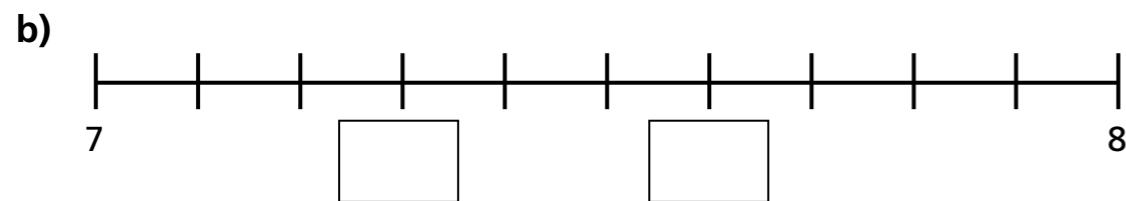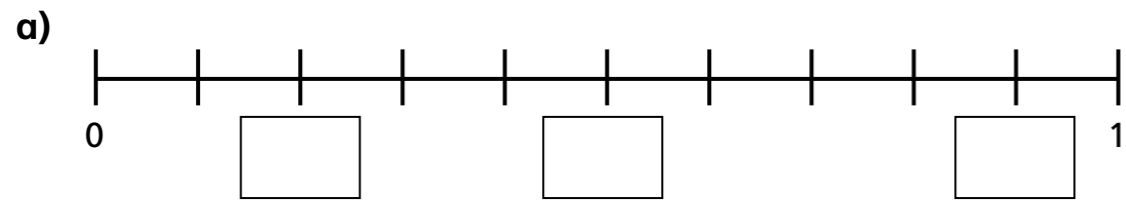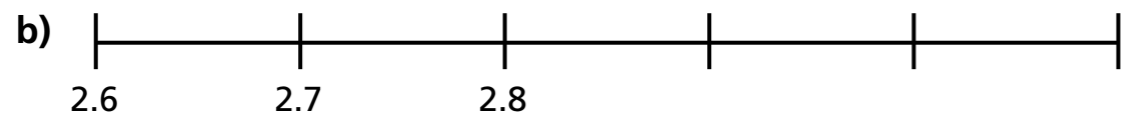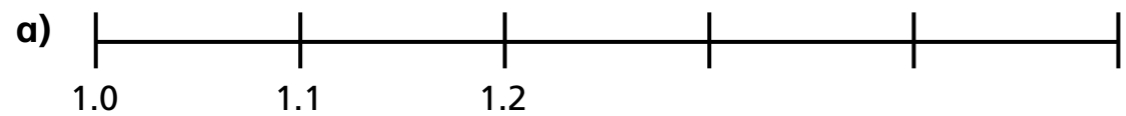
3 Here is a ruler with centimetres as whole numbers and millimetres as tenths.

Complete the sentences about points A, B and C.

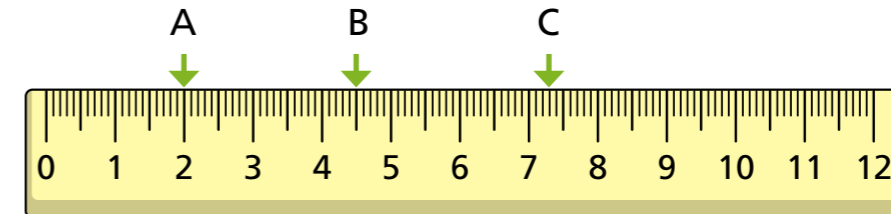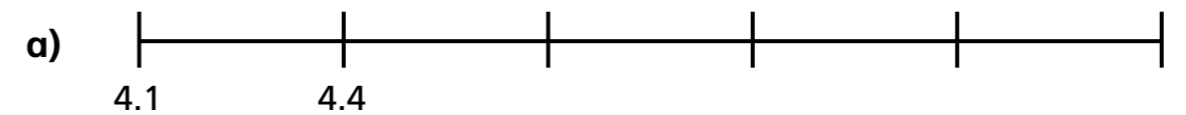A   B   C

0 1 2 3 4 5 6 7 8 9 10 11 12

Point A is [ ] cm along the ruler.

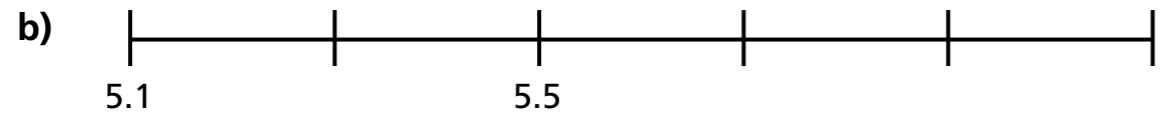Point B is [ ] cm and [ ] mm along the ruler.

As a decimal it is [ ] cm.

Point C is [ ] cm and [ ] mm along the ruler.

As a decimal it is [ ] cm.

4 Complete the number lines.

a)

4.1   4.4

b)

5.1   5.5

c)

7.9   8.9   10.4

d)

2   4

5 How long is each line?

a)

0 cm   1 cm

The line is ☐ cm long.

b)

0 cm   1 cm

The line is ☐ cm long.

c)

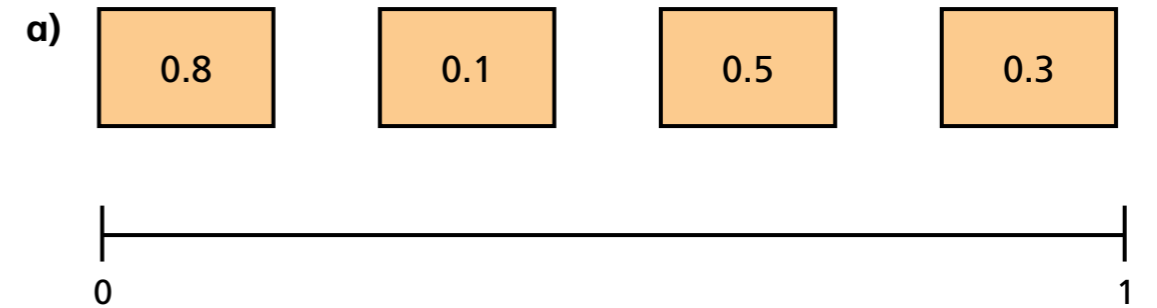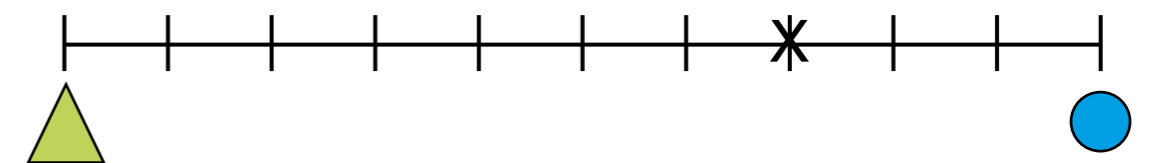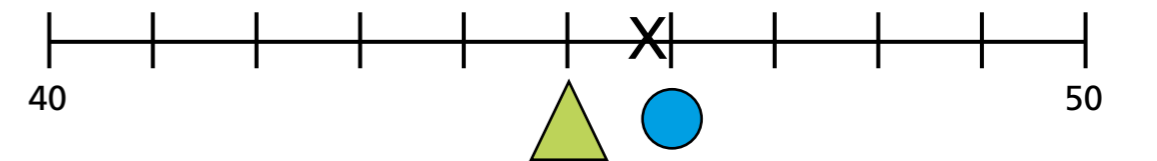0 cm   1 cm
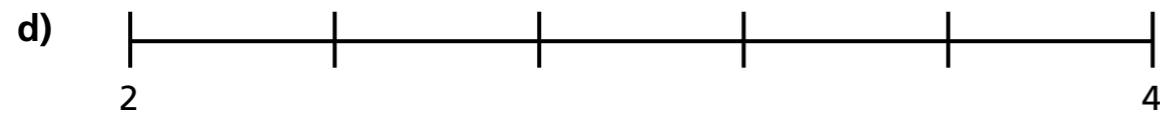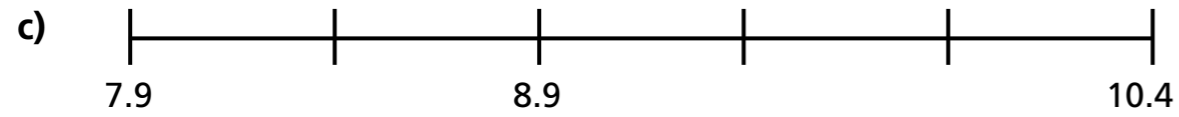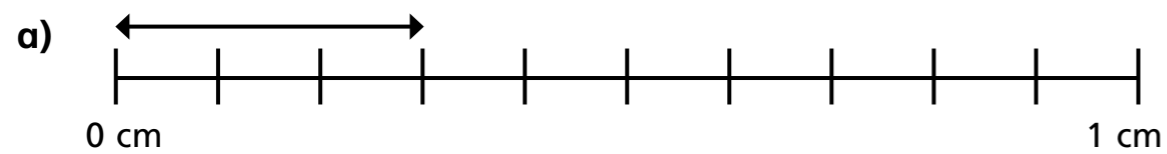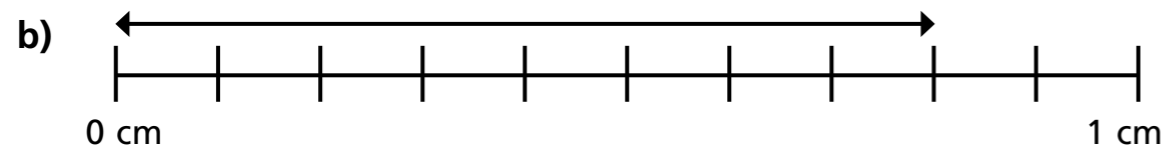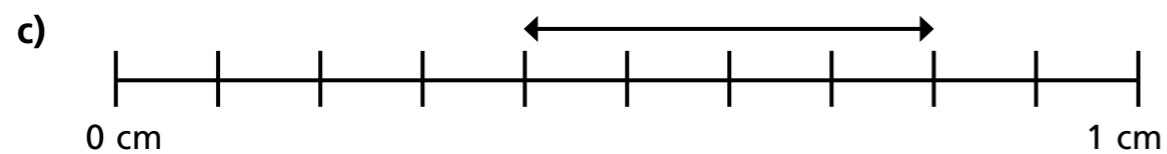
The line is ☐ cm long.

How would your answers have been different if given in millimetres?

6 Draw arrows to estimate the position of the numbers on the number line.

a)

| 0.8 | 0.1 | 0.5 | 0.3 |

0   1

b)

| 4.9 | 3.1 | 4.5 | 3.6 | 4.0 |

3   5
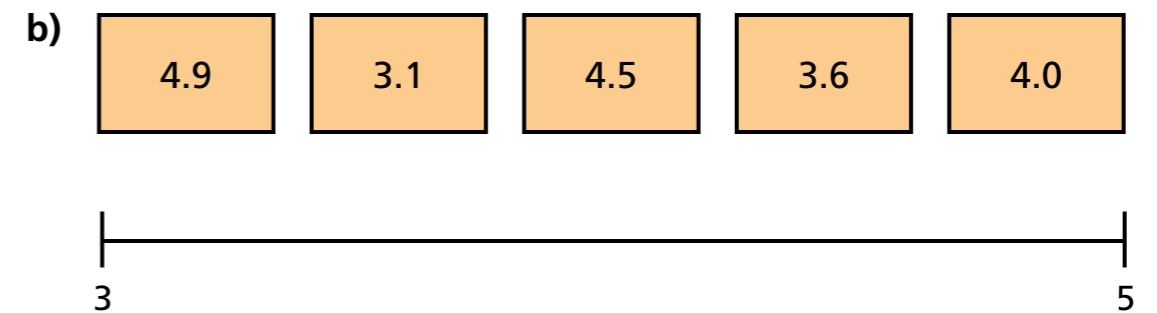
7 The triangle, circle and cross have the same value on both lines.

Work out the values.

40   X   50

40   ✳

△ = ☐   ● = ☐   X = ☐

Create your own problem like this for a friend.