1 Complete the number lines.

a)

1.0   1.1   1.2

b)

1.8   1.9   2.0

c)

4.7   4.8   4.9

d)

7.2   7.3   7.4

2 Fill in the decimal numbers on each number line.

a)

0 ☐ ☐ ☐ 1

b)

7 ☐ ☐ 8

c)

10 ☐ ☐ ☐ 11
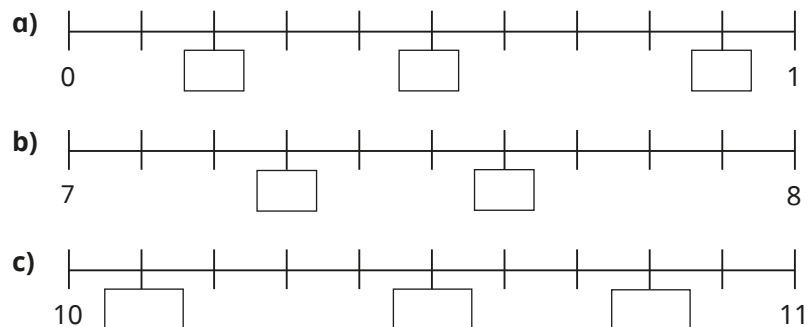
3 Here is a ruler with centimetres as whole numbers and millimetres as tenths. Complete the sentences about points A, B and C.
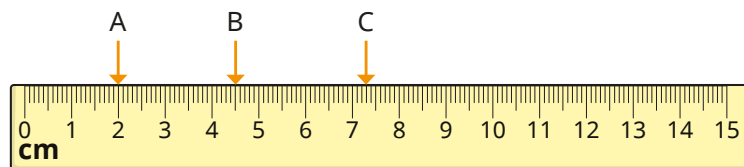
A   B   C

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
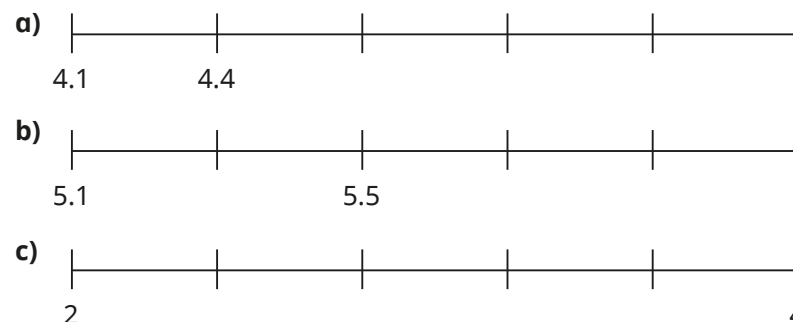**cm**

a) Point A is ☐ cm along the ruler.

b) Point B is ☐ cm and ☐ mm along the ruler.

As a decimal it is ☐ cm.

c) 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)

2   4

5 How long is each arrow?

a)

0 cm   1 cm

b)

0 cm   1 cm

c)

2 cm   3 cm
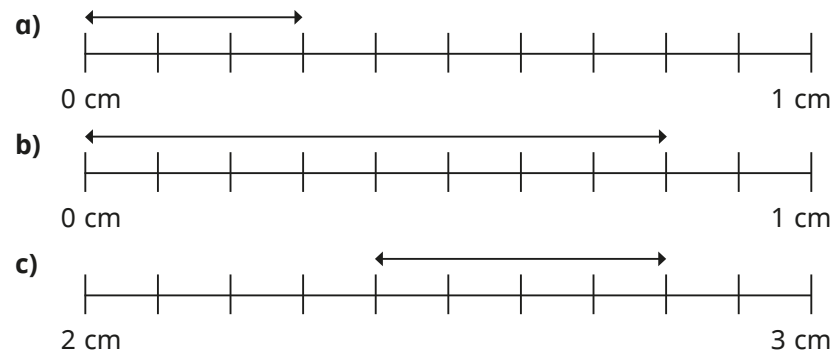
How would your answers be different if given in millimetres?

a) Point A is [ ] cm along the ruler.

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

As a decimal it is [ ] cm.

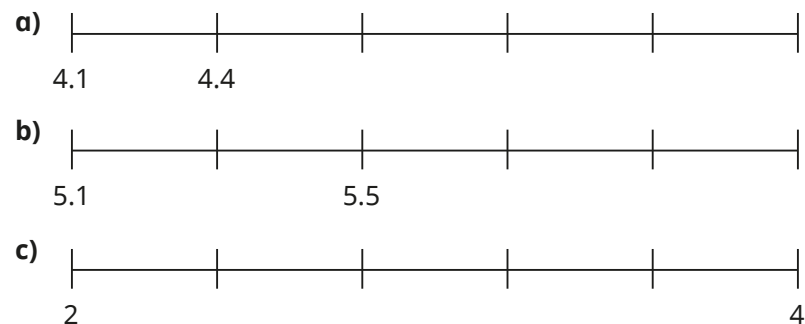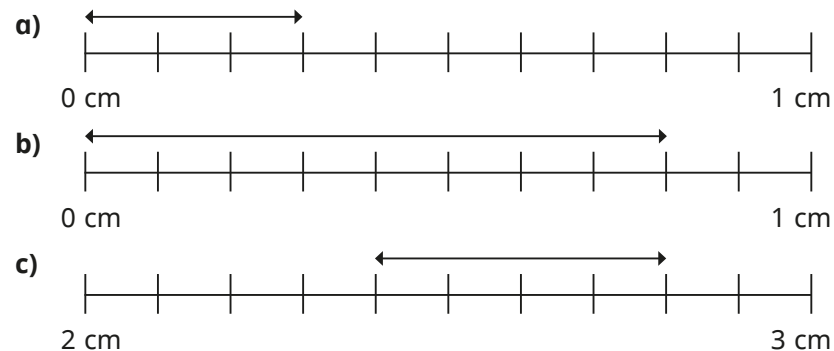**c)** Point C is [ ] cm and [ ] mm along the ruler.

As a decimal it is [ ] cm.

4 Complete the number lines.

a)

4.1   4.4

b)

5.1   5.5

c)

2   4

5 How long is each arrow?

a)

0 cm   1 cm

b)

0 cm   1 cm

c)

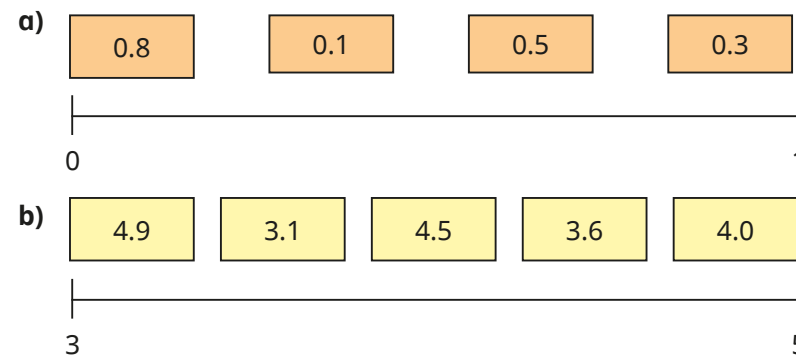2 cm   3 cm
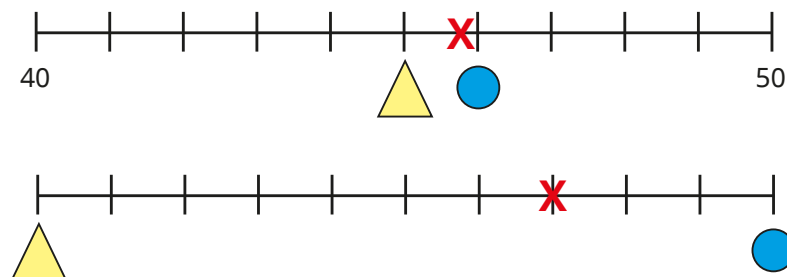
How would your answers be different if given in millimetres?

6 Draw arrows to estimate the positions 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 values of the triangle, circle and cross are the same on both number lines.

Work out the values.

40   50

Create your own problem like this for a partner.