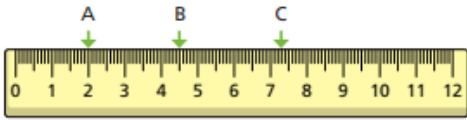## Tuesday Yellow Challenge

Here is a ruler with centimetres as whole numbers and millimetres as tenths.

Complete the sentences about points A, B and C.
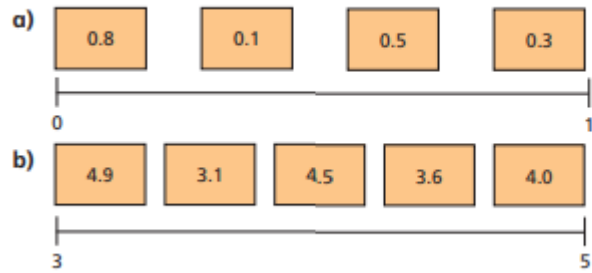
A   B   C

Point A is ☐ cm along the ruler.

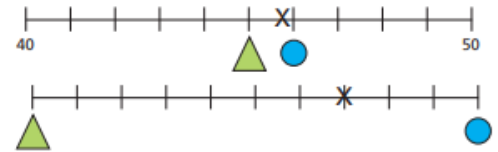Point B is ☐ cm and ☐ mm along the ruler.

As a decimal it is ☐ cm.

Point C is ☐ cm and ☐ mm along the ruler.

As a decimal it is ☐ cm.

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 |

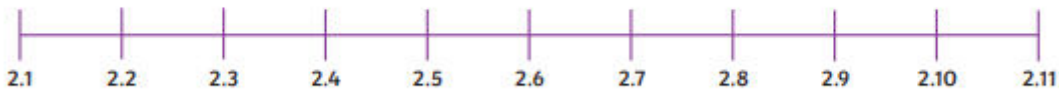3   5

The triangle, circle and cross have the same value on both lines. Work out the values.

Create your own problem like this for a friend.

Khalid's number line starts at 2.1 and counts in tenths.

2.1   2.2   2.3   2.4   2.5   2.6   2.7   2.8   2.9   2.10   2.11

a) Explain the mistake that Khalid has made.

a) Is Sophie correct?   Yes/No

Sophie

If I start counting at 3 and count along in jumps of 3 tenths, I will say the number 4.1.

b) Draw a number line and write an explanation to prove it.

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