

- 2** The length, L , of a steel rod is 8.3 m, correct to 1 decimal place.

Complete the error interval for length L .

$$\dots\dots\dots \leq L < \dots\dots\dots [2]$$

- 9** The width, w , of a kitchen cupboard is 60 cm, correct to the nearest centimetre.

(a) Complete the error interval for the width, w .

$$(a) \dots\dots\dots \leq w < \dots\dots\dots [2]$$

- 18 A carpenter measures the length, k metres, of a piece of wood.

They write

$$3.35 \leq k < 3.45.$$

- (a) Put rings around all possible values of k in the list below.

3.349 3.39 3.44 3.45 3.55

[2]

- (b) The carpenter says

$3.35 \leq k < 3.45$ means that the length of the piece of wood is 3.4 metres correct to the nearest centimetre.

- (i) Explain how you know that she is incorrect.

.....
..... [1]

- (ii) Complete the interval for 3.4 m, correct to the nearest centimetre.

$$3.395 \leq k < \dots\dots\dots [1]$$

- 4 Use the symbols $<$, $\leq$, $=$, $>$, or $\geq$ to complete this statement.

If $x = 4.7$, **truncated** to 1 decimal place, then $4.7 \dots\dots\dots x \dots\dots\dots 4.8$ [2]