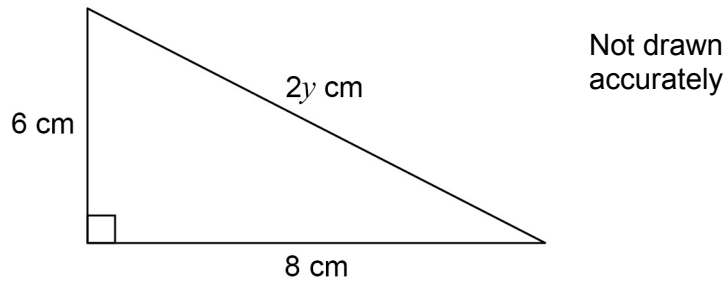


- 15 Sami is trying to work out the exact value of y using Pythagoras' theorem.



Here is her working.

$$(2y)^2 = 6^2 + 8^2$$

$$2y^2 = 36 + 64$$

$$2y^2 = 100$$

$$y^2 = 100 \div 2$$

$$y^2 = 50$$

$$y = \sqrt{50}$$



- 15 (a) What error has she made in her working?

[1 mark]



15 (b) Kai works out that $y = 5$

Mel says,

“ y cannot be 5 because the hypotenuse should be the longest side and the other sides are longer than 5 cm”

Is Mel correct?

Tick a box.

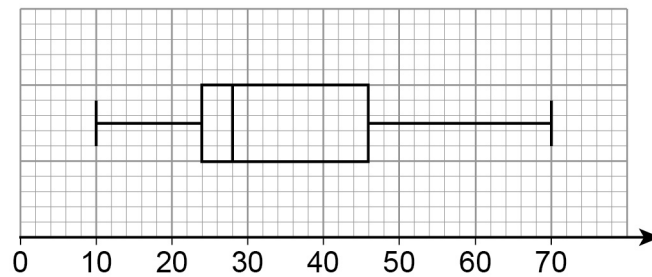
Yes

No

Give a reason for your answer.

[1 mark]

16 Here is a box plot.



Circle the median value.



[1 mark]

28

35

24

22

