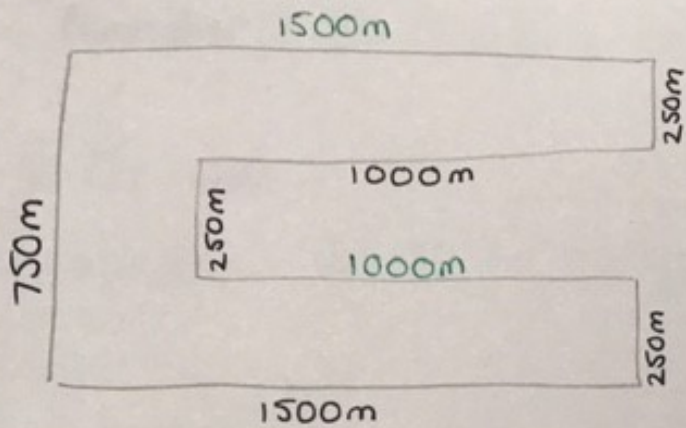


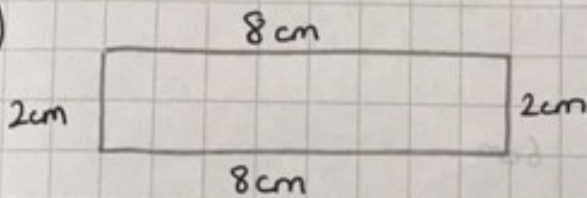
1.



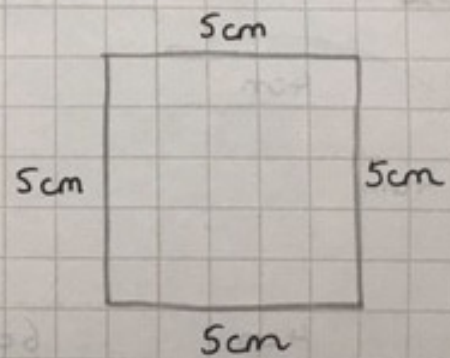
$$750 + 1500 + 250 + 1000 + 250 + 1000 + 250 + 1500 = 6500m$$

Toby's mistake is that he only added the measurements of the sides he had labelled.

2. a)



$$8 + 2 + 8 + 2 = 20cm$$

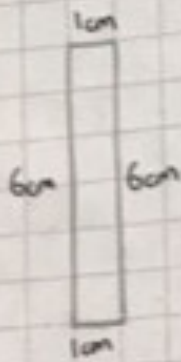


$$5 + 5 + 5 + 5 = 20cm$$

True, the perimeter of both shapes is the same.

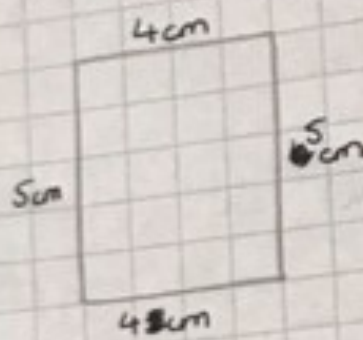
b) False.

For example:



↑
Long, thin rectangle

$$6 + 1 + 6 + 1 = 14 \text{ cm}$$

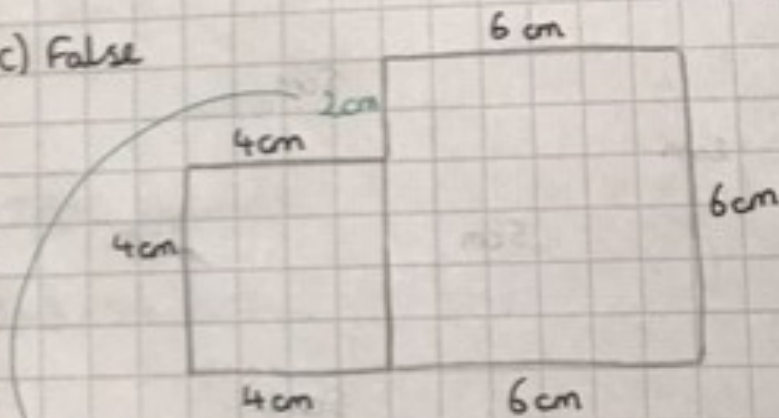


↑
Shorter, wider rectangle

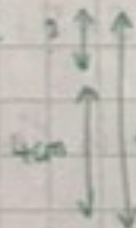
$$5 + 4 + 5 + 4 = 18 \text{ cm}$$

In this example, the short, wide rectangle has the largest perimeter.

c) False



Because



$$6 - 4 = 2 \text{ cm}$$

Perimeter =

$$4 + 4 + 6 + 6 + 6 + 2 + 4 = 32 \text{ cm}$$

The mistake was that they included the line down the middle.