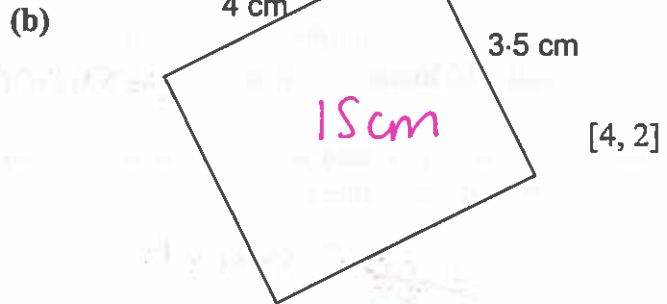
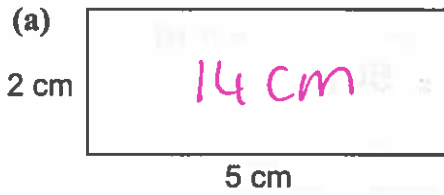
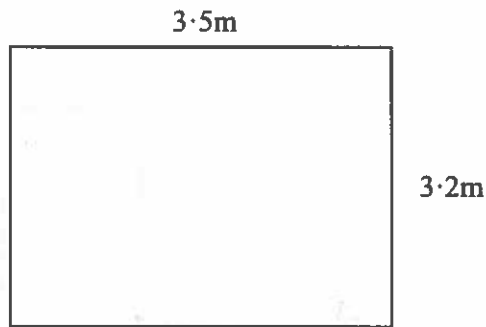


Finding the area and perimeter of a shape

1. Calculate the perimeter and area of these rectangles:



2. My bedroom has dimensions as shown in the diagram.



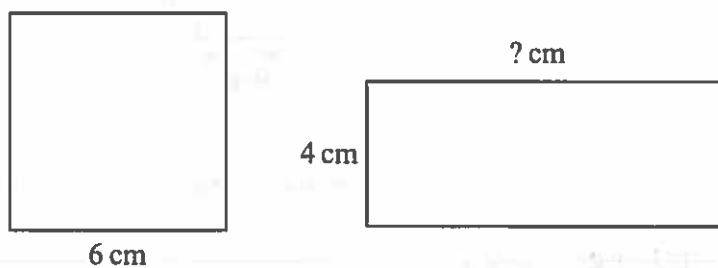
(a) Calculate the cost of carpeting the room if carpet costs £23.99 per square metre. [3]
[carpet is sold in whole square metres only]

$$A = 11.2 \text{ m}^2 \quad \text{Cost} = 12 \times 23.99 = \text{£} 287.88$$

(b) A border is to be put round the walls. Find the length of border required. [2]
[ignore any gaps for windows and doors]

$$P = 13.4 \text{ m}$$

3. The square and the rectangle have the same perimeter. Find the missing length. [4]



$$6 \times 4 = 4 + 4 + 2x$$
$$x = 8 \text{ cm.}$$

[15 marks]