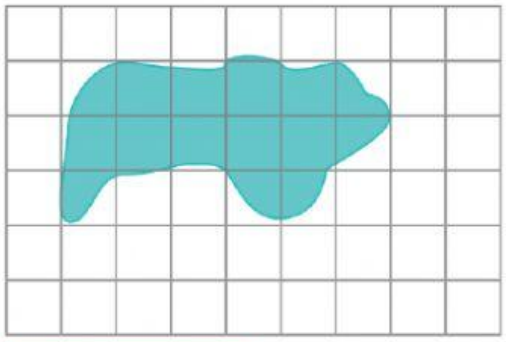
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Mathematics Year 6 quiz
Perimeter and Area Quarter 3

1. Estimate the approximate area of this shape.

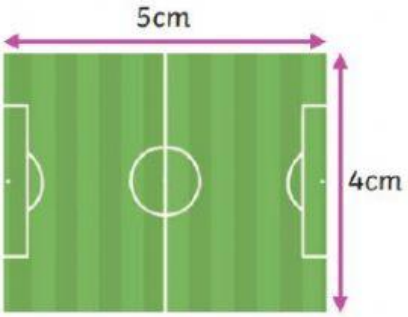
each square = $4m^2$



m^2

2. This plan of a football pitch has been drawn to scale. Calculate the area of the real football pitch in square metres.

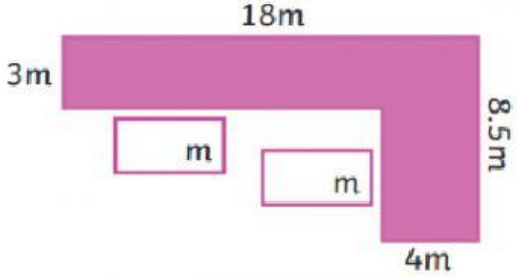
1cm : 4m



m^2

3. Find the missing side lengths and then calculate the perimeter of this shape.

not to scale



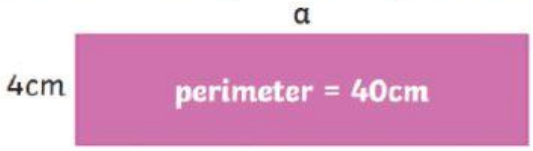
perimeter = m

LIVEWORKSHEETS

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4. a) Amelia writes this equation to express the measurements of her rectangle: $8 + 2a = 40$



Use Amelia's equation to find the value of a.

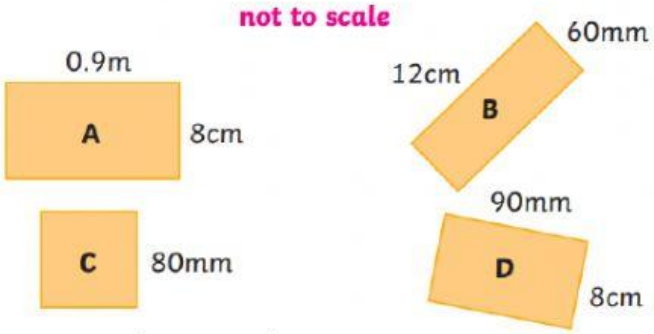
a = _____ cm

b) Malik writes this equation to express the measurements of his rectangle: $10 + 2b = 60$
Use Malik's equation to find the value of b.

b = _____ cm

5. Which two of these shapes have the same area?

Explain your answer fully.



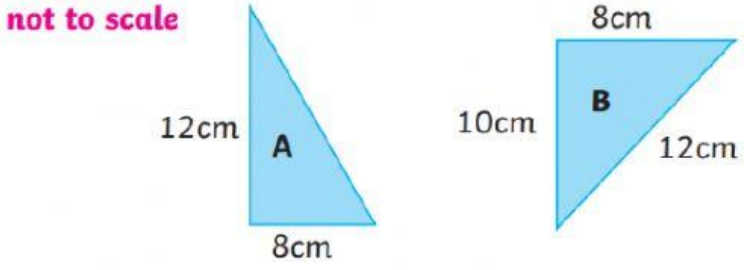
_____ and _____ because:

_____

_____

_____

6. Both triangles have the same area. Is this statement true or false? Explain your answer fully.



Area A: _____cm2

Area B: _____cm2

Explain:

_____

_____

_____

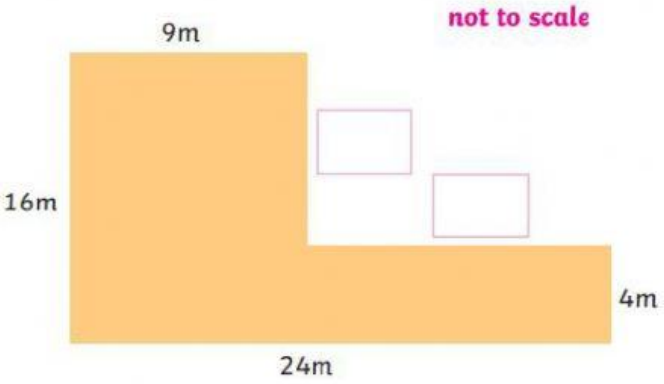
_____

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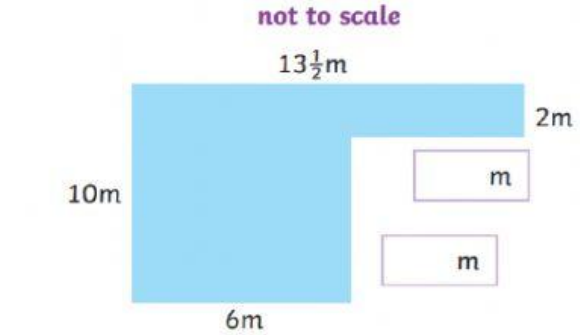
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Mathematics Year 6 quiz
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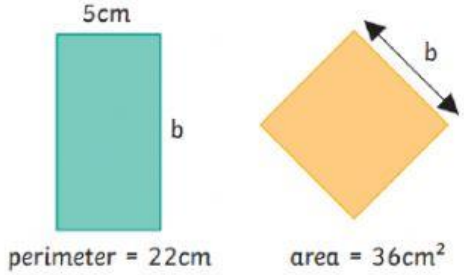
7. Calculate the area of this shape. Give the missing measurements and show your method.



8. Find the missing side lengths and then calculate the perimeter of this shape.



9. Aman thinks that the value of the missing measurement b is equal to 7cm for both the rectangle and square. Is he corect? If he is incorrect, what would be the correct value for b? Explain your answer fully.



Type True or False? And explain the calculation.

_____ because

_____

_____

LIVEWORKSHEETS