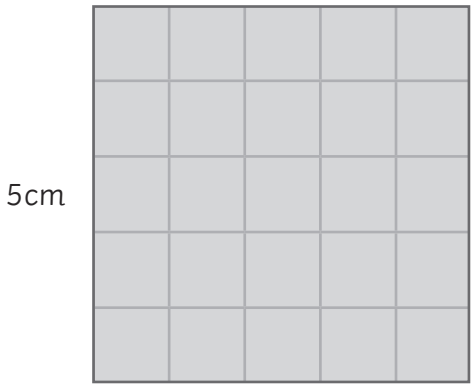
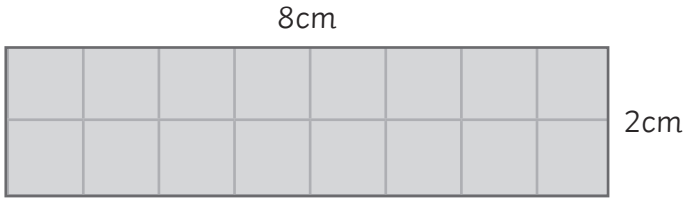
Area

Find the area for the following shapes:

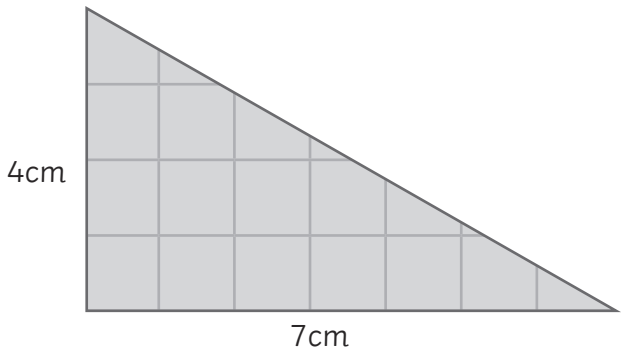
1.



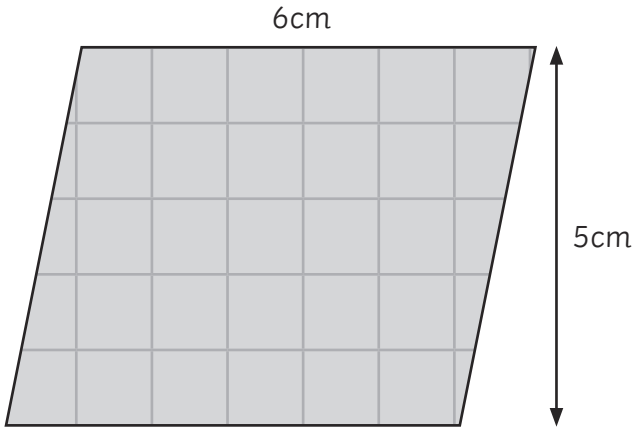
2.



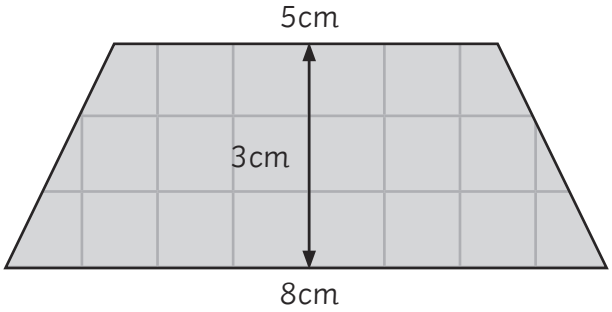
3.



4.

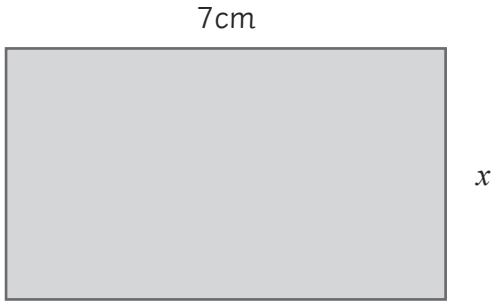


5.

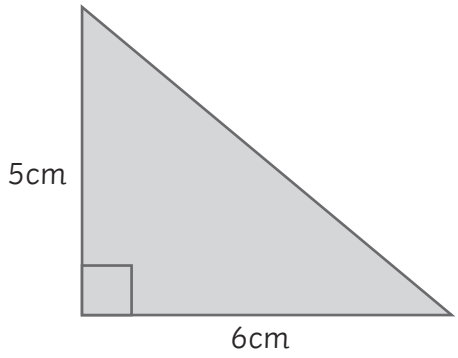


6. Calculate the area of a square which has a length of 4cm.

7. The area of this rectangle is 28cm^2. Calculate the width (x).



8. Rory says that the area of the following triangle is 30cm^2. Identify and correct Rory's mistake.



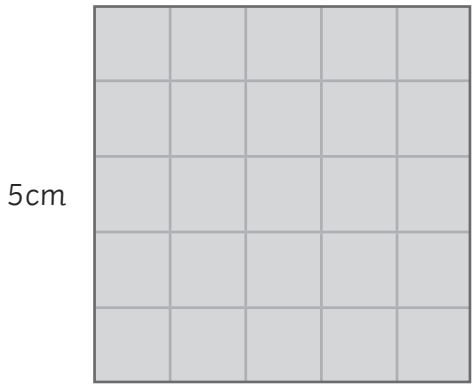
Extension

Draw a 4-sided shape which has the same numerical value for area and perimeter.

Area - Answers

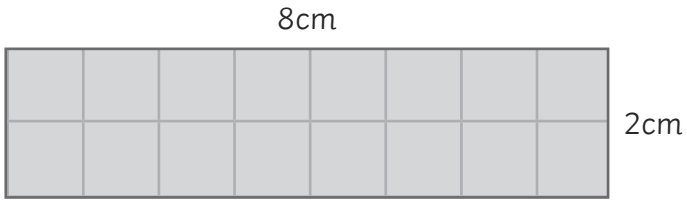
Find the area for the following shapes:

1.



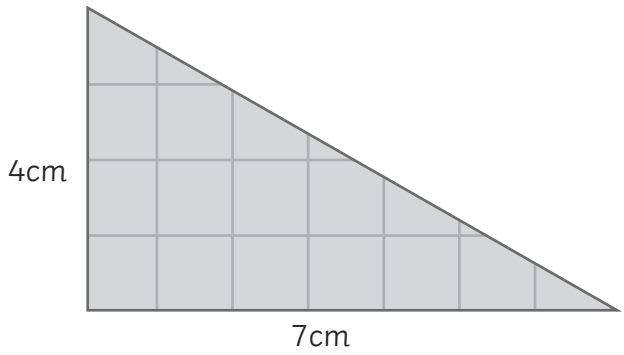
$5 \times 5 = 25\text{cm}^2$

2.



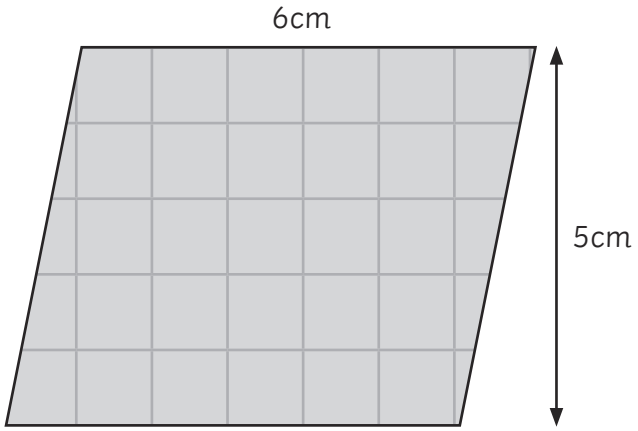
$8 \times 2 = 16\text{cm}^2$

3.



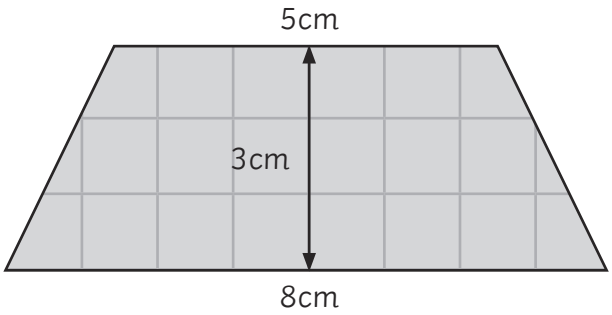
$\frac{1}{2} \times (4 \times 7) = 14\text{cm}^2$ or $\frac{4 \times 7}{2} = 14\text{cm}^2$

4.



6 × 5 = 30cm²

5.

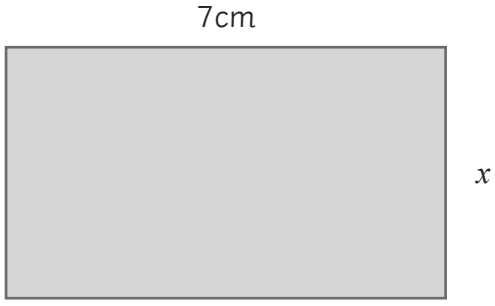


$\frac{1}{2}$ × (5 + 8) × 3 = 19.5cm²

6. Calculate the area of a square which has a length of 4cm.

4 × 4 = 16cm²

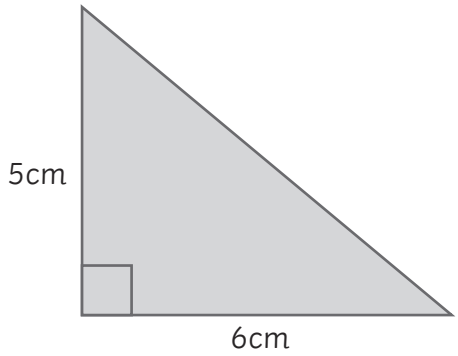
7. The area of this rectangle is 28cm². Calculate the width (x).



28 ÷ 7 = 4cm

x = 4cm

8. Rory says that the area of the following triangle is 30cm^2. Identify and correct Rory's mistake.



Rory is incorrect because he hasn't halved his answer. The correct answer is 15cm^2.

Extension

Draw a 4-sided shape which has the same numerical value for area and perimeter.