Name	 Date_

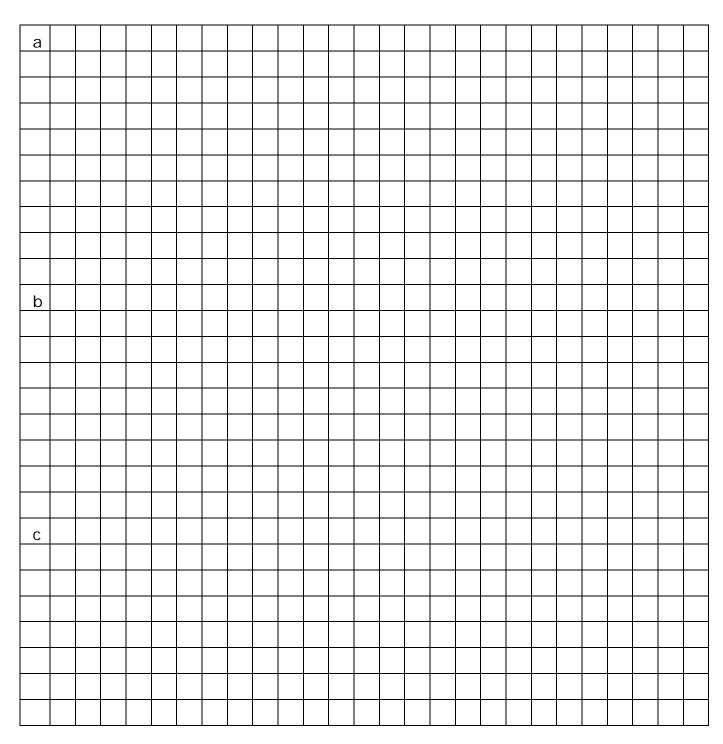
## **Perimeter and Area Pre-Test**

**1.** Draw all possible rectangles / squares with each perimeter. Provide areas for each as well.

**a)** 16 cm

**b)** 10 cm

**c)** 20 cm



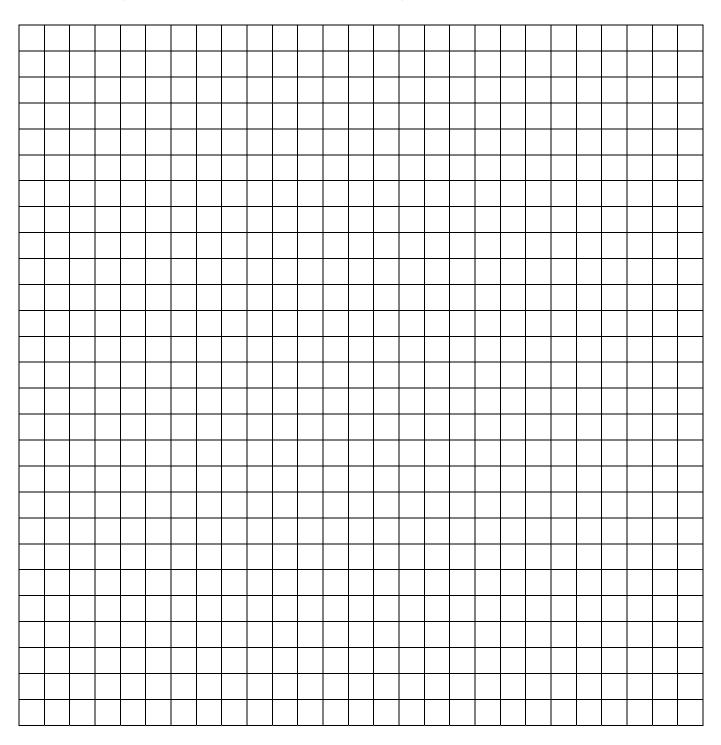
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2. Draw 2 different rectangles / squares with each perimeter – the rectangle with the least area and the rectangle with the greatest area.

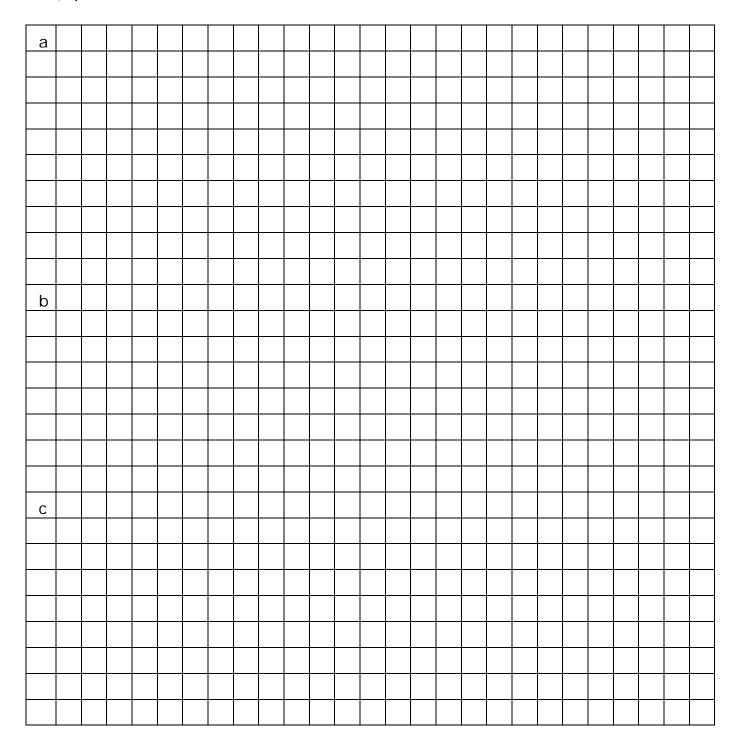
Find the area of each rectangle.

a) 16 cm perimeter

**b)** 26 cm perimeter

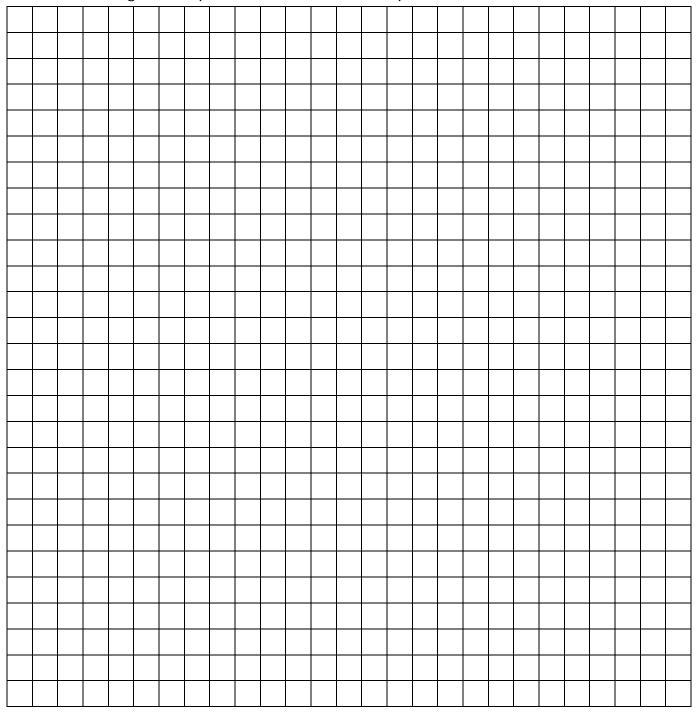


- **3.** Draw a rectangle with each perimeter and area.
  - a) perimeter 22 cm and area 24 cm<sup>2</sup>
  - **b)** perimeter 24 cm and area 20 cm<sup>2</sup>
  - c) perimeter 24 cm and area 36  $cm^2$

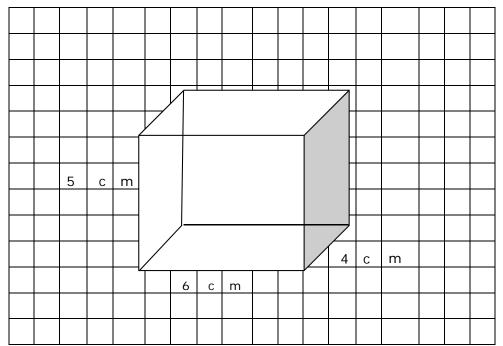


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- **4.** Mr. Big Cheese has 36 m of fencing to put around his garden.
  - **a)** List / Draw all the possible lengths and widths of Mr. Big Cheese's garden.
  - **b)** Which dimensions will Mr. Big Cheese choose if he wants the garden with the greatest possible area? The least possible area?



5. If a rectangular prism has a length of 6 cm a height of 5 cm and a width of 4 cm what is the perimeter of the prism and what is the total surface area of the prism?



\*Hint

Rectangular prisms have 6 faces: Top, Bottom, Side 1, Side 2 Front and Back

## Math Work (show all calculations)

Perimeter =

Surface Area =

Volume =