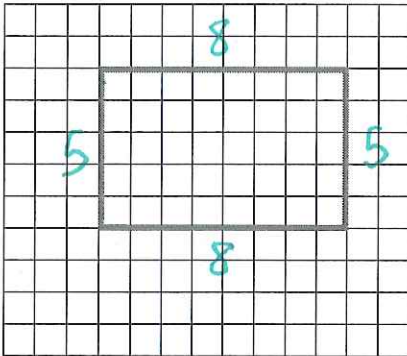


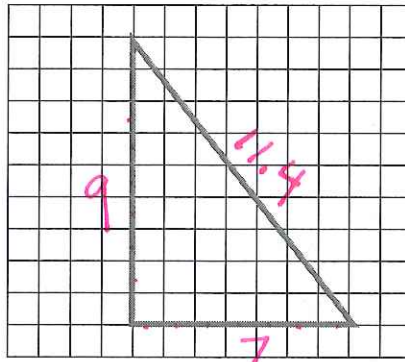
Area and Perimeter Activity

Name Solutions

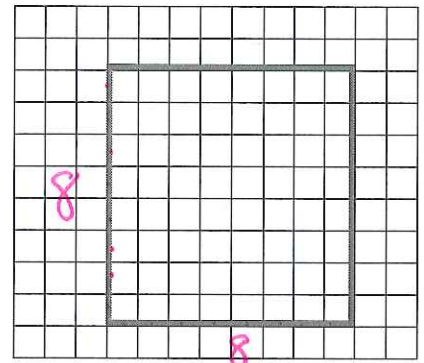
Estimate the perimeter and the area of the shapes. Each square is one unit.



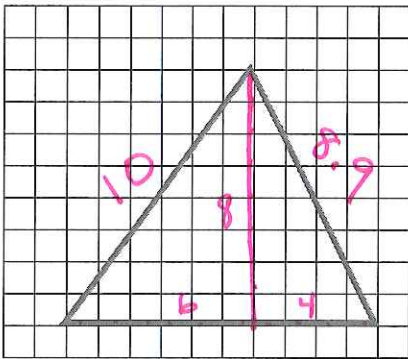
Perimeter: 26 units
 Area: $5 \cdot 8 = 40 \text{ units}^2$



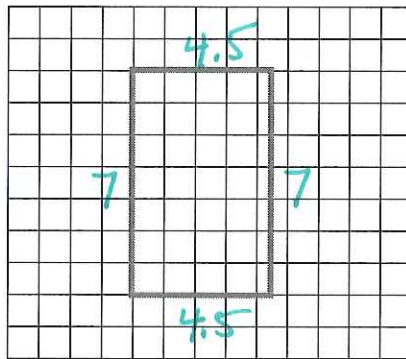
Perimeter: 27.4 units
 Area: $\frac{1}{2} \cdot 9 \cdot 7 = \frac{63}{2} = 31.5 \text{ units}^2$



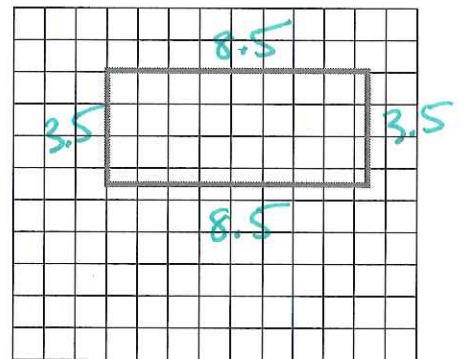
Perimeter: 32 units
 Area: 64 units²



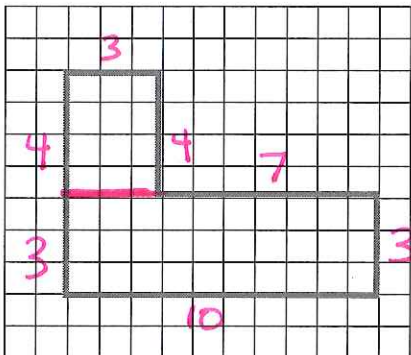
Perimeter: $10 + 8.9 + 10 = 28.9 \text{ units}$
 Area: $\frac{1}{2} (10)(8) = 5 \cdot 8 = 40 \text{ units}^2$



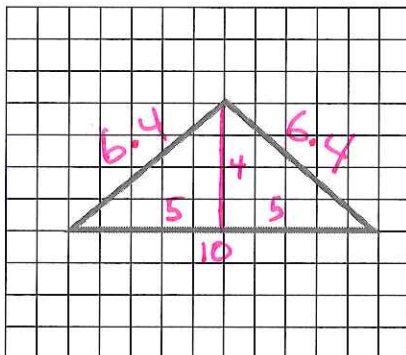
Perimeter: $2(7) + 2(4.5) = 23 \text{ units}$
 Area: $7(4.5) = 31.5 \text{ units}^2$



Perimeter: $2(8.5) + 2(3.5) = 24 \text{ units}$
 Area: $8.5(3.5) = 29.75 \text{ units}^2$

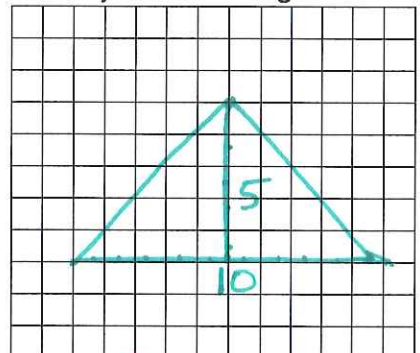


Perimeter: 34 units
 Area: $3 \times 4 + 3 \times 10 = 12 + 30 = 42 \text{ units}^2$



Perimeter: $10 + 6.4 + 6.4 = 22.8 \text{ units}$
 Area: $\frac{1}{2} (10)(4) = 5(4) = 20 \text{ units}^2$

Draw your own triangle



Perimeter: _____
 Area: $\frac{1}{2} (10)(5) = 5 \cdot 5 = 25 \text{ units}^2$

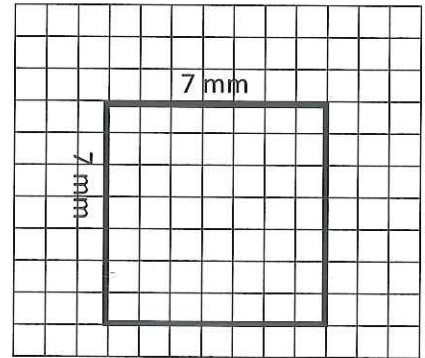
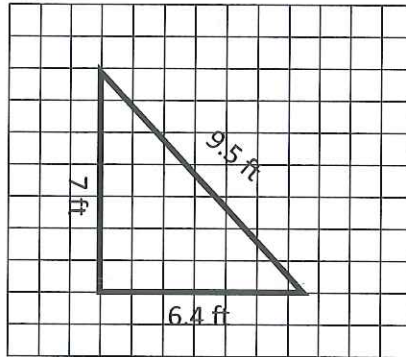
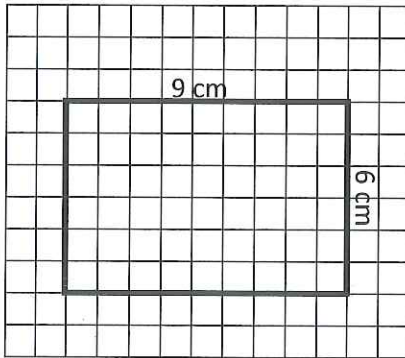
Find the perimeter and area using the appropriate formula.

Perimeter: the sum of all sides

Area: Square: $A = s^2$

Triangle: $A = \frac{1}{2}bh$

Rectangle: $A = l \cdot w$

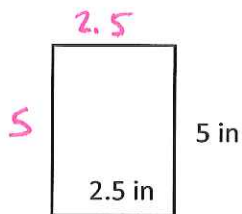


Perimeter: $2(9) + 2(6) = 30$ units
 Area: $9(6) = 54$ units²

Perimeter: 22.9 units
 Area: $\frac{1}{2}(7)(6.4) = 22.4$ units²

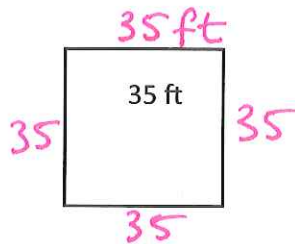
Perimeter: $7+7+7+7 = 28$ units
 Area: 7^2 or $7 \cdot 7 = 49$ units²

A rectangle with sides of 5 inches and 2.5 inches



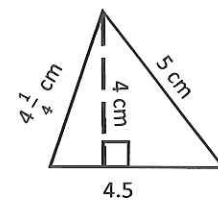
Perimeter: 15 in
 Area: $5(2.5) = 12.5$ in²

A square with sides of 35 feet



Perimeter: $4(35) = 140$ ft
 Area: $35(35) = 1225$ ft²

A triangle with sides of $4\frac{1}{4}$ cm, 4.5 cm, and 5 cm.



Perimeter: $5 + 4.25 + 4.5 = 13.75$ cm
 Area: $\frac{1}{2}(4)(4.5) = 9$ cm²