

Name _____

Date _____

Scale Drawings of Geometric Figures - Guided Lesson Explanation

Explanation#1

perimeter of rectangle = $2(\text{length} + \text{width})$

Perimeter of rectangle = $2[(9 \times 2.5) + (5 \times 2.5)]$

Perimeter of rectangle = $2[22.5 + 12.5]$

Perimeter of rectangle = 2×35

perimeter of rectangle = 70 cm

Area of rectangle = $\text{length} \times \text{width}$

Area of rectangle = $[(9 \times 2.5) \times (5 \times 2.5)]$

Area of rectangle = $[22.5 \times 12.5]$

Area of rectangle = 281.25 cm²

Explanation#2

10 cm = 20 km

$350 \text{ cm} = \frac{20}{10} \times 350 = 700 \text{ km}$

Explanation#3

perimeter of parallelogram = $2(\text{length} + \text{width})$

Perimeter of parallelogram = $2[(8 \times 2.2) + (7 \times 2.2)]$

Perimeter of parallelogram = $2(17.6 + 15.4)$

Perimeter of parallelogram = 2×33

Perimeter of parallelogram = 66 cm

Area of parallelogram = $\text{base} \times \text{height}$

Area of parallelogram = $[(8 \times 2.2) \times (6 \times 2.2)]$

Area of parallelogram = 17.6×13.2

Area of parallelogram = 232.32 cm²

