

Name: \_\_\_\_\_ Block: \_\_\_\_\_

Name: Answers Block: \_\_\_\_\_

1. Convert 70 inches into yards, feet, and inches.

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$$70 \text{ in} \times \frac{1 \text{ yd}}{36 \text{ in}} = 1.9\bar{4} \text{ yd}$$

$$.9\bar{4} \text{ yd} \times \frac{3 \text{ ft}}{1 \text{ yd}} = 2.8\bar{3} \text{ ft}$$

$$0.8\bar{3} \text{ ft} \times \frac{12 \text{ in}}{1 \text{ ft}} = 10 \text{ in}$$

$$\boxed{1 \text{ yd } 2 \text{ ft } 10 \text{ in}}$$

2. A 10 m rope is cut into 5 cm strips. How many strips can be made?

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$$10 \text{ m} \times \frac{100 \text{ cm}}{1 \text{ m}} = 1000 \text{ cm}$$

$$\frac{1000 \text{ cm}}{5 \text{ cm}} = \boxed{200 \text{ strips}}$$

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Method A

$$.3 \text{ mi} \times .5 \text{ mi} = .15 \text{ mi}^2$$

$$.15 \text{ mi}^2 \times \frac{5280^2 \text{ ft}^2}{1 \text{ mi}^2} = \boxed{4,181,760 \text{ ft}^2}$$

Method B

$$.3 \text{ mi} \times \frac{5280 \text{ ft}}{1 \text{ mi}} = 1584 \text{ ft}$$

$$.5 \text{ mi} \times \frac{5280 \text{ ft}}{1 \text{ mi}} = 2640 \text{ ft}$$

$$A = 1584 \cdot 2640 = \boxed{4,181,760 \text{ ft}^2}$$