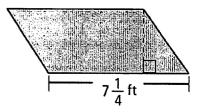
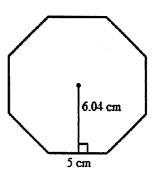
Topic 13: Area Quiz Review

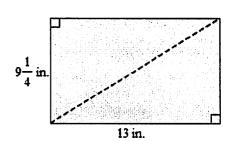
1. If the area of the parallelogram is $58\ \mathrm{ft^2}$, find the height of the parallelogram.



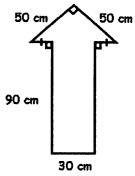
2. Find the Area of the Regular Octagon?



3. A rectangle has dimensions $9\frac{1}{4}$ in. by 13 in. A diagonal of the rectangle forms two matching right triangles. What is the area of one of the triangles?

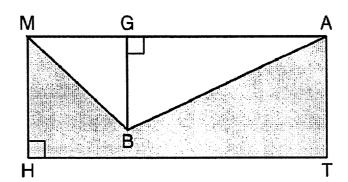


- 4. Brad is planning a garage sale. To direct customers to his house, he is painting six arrow signs.
 - a) Calculate the area of one sign.



b) Each can of paint can cover 1 m². How many cans of paint should Brad buy for all six signs. Explain your answer.

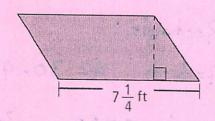
5. In the diagram below, MATH is a rectangle, GB = 4.6, MH = 6, and HT = 15. What is the area of the polygon MBATH?



Topic 13: Area Quiz Review

1. If the area of the parallelogram is 58 ft^2 , find the height of the parallelogram.

$$A \div b = h$$
 $58 \div 7\frac{1}{4}$
 $\frac{58}{1} \div \frac{29}{4}$



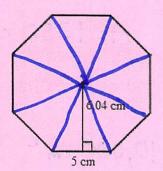
2. Find the Area of the Regular Octagon?

$$A = \frac{b \cdot h}{2}$$

$$A = \frac{6 \cdot h}{2}$$
 $A = \frac{5 \cdot 6.04}{2}$

$$A = 15.1 \text{ cm}^2$$

$$\times 8 \Delta's$$

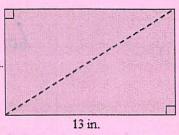


Area of Regular Octagon = 120.8 cm2

3. A rectangle has dimensions $9\frac{1}{4}$ in. by 13 in. A diagonal of the rectangle forms two matching right triangles. What is the area of one of the triangles?

$$A = \frac{13}{1} \cdot \frac{37}{4}$$

$$\frac{481}{4} = 120 \frac{19^{\frac{1}{4}} \text{ in.}}{4}$$



120= = 2

4. Brad is planning a garage sale. To direct customers to his house, he is painting six arrow signs.

90 cm

30 cm

a) Calculate the area of one sign.

b) Each can of paint can cover 1 m². How many cans of paint should Brad buy for all six signs. Explain your answer.

3 cons

5. In the diagram below, MATH is a rectangle, GB = 4.6, MH = 6, and HT = 15. What is the area of the polygon MBATH?

