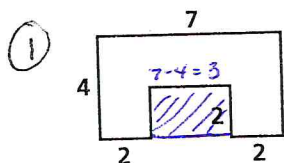


320
 Find Area + Perimeter
 Area + Perimeter

Composite Figures

Key

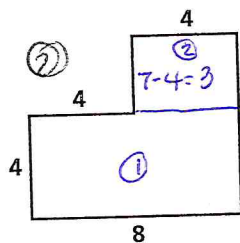
Find the area + perimeter of each composite figure. If a side length is missing, show its calculation.
 * No figures are drawn to scale



$A_{\text{outer}} = 4 \cdot 7 = 28$
 $A_{\text{inner}} = 2 \cdot 3 = 6$

$A = 22 \text{ u}^2$

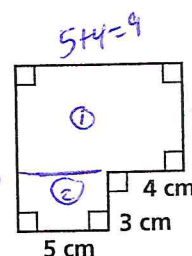
$P = 7 + 4 + 4 + 7 + 2 + 2 = 26 \text{ u}$



$A_1 = 8 \cdot 4 = 32$
 $A_2 = 3 \cdot 4 = 12$

$A = 44 \text{ u}^2$

$P = 4 + 4 + 3 + 4 + 7 + 8 = 30 \text{ u}$



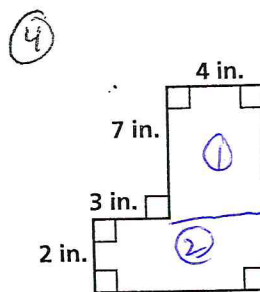
$A_1 = 9 \cdot 7 = 63$

$A_2 = 5 \cdot 3 = 15$

$A = 78 \text{ cm}^2$

$P = 9 + 7 + 4 + 3 + 5 + 11$

$P = 38 \text{ cm}$



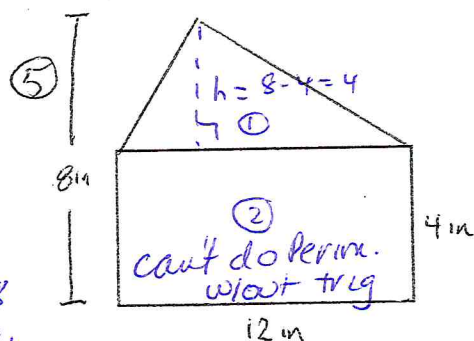
$2 + 7 = 9$

$A_1 = 7 \cdot 4 = 28$

$A_2 = 2 \cdot 7 = 14$

$A = 42 \text{ in}^2$

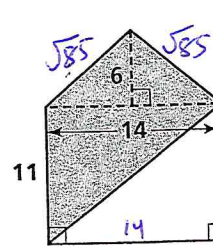
$P = 2 + 3 + 7 + 4 + 9 + 7 = 32 \text{ in}$



$A_1 = \frac{1}{2}(4)(12) = 2 \cdot 12 = 24$

$A_2 = 4 \cdot 12 = 48$

$A = 72 \text{ in}^2$

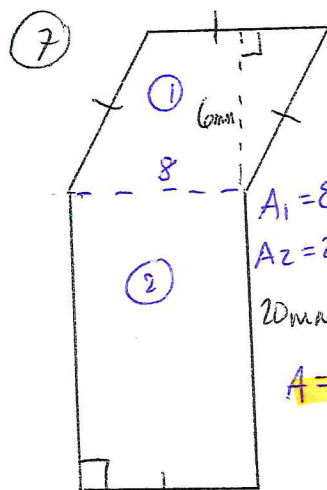


$A_1 = \frac{1}{2}(6)(14) = 42$

$A_2 = 11 \cdot 14 = 154$

$A_{\text{total}} = 196 \text{ u}^2$

$P = 11(2) + 14 + 2\sqrt{85} = 22 + 14 + 2\sqrt{85} = 36 + 2\sqrt{85}$

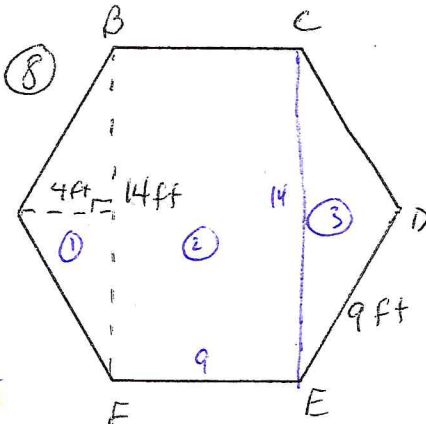


$A_1 = 8 \cdot 6 = 48$

$A_2 = 20 \cdot 8 = 160$

$A = 208 \text{ mm}^2$

$P = 2(20) + 4(8) = 40 + 32 = 72 \text{ mm}$



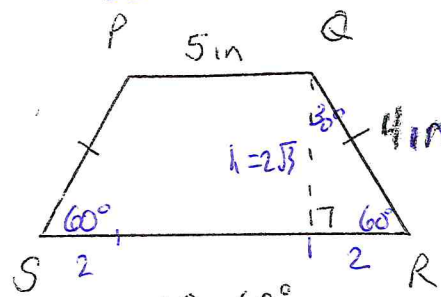
ABCDEF is a hexagon

$A_1 = \frac{1}{2}(14)(4) = 7 \cdot 4 = 28$

$A_1 = A_3 = 28$

$A_2 = 9 \cdot (14) = 126$

$A = 182 \text{ ft}^2$



$P = 9 \cdot 6 = 54 \text{ ft}$

$A = \frac{1}{2}(2\sqrt{3})(5+9)$

$A = \sqrt{3}(14) = 14\sqrt{3} \text{ m}$

$P = 5 + 4 + 4 + 9 = 22 \text{ in}$