

L17-1 cont... **Complex compound composite** \rightarrow **Area**

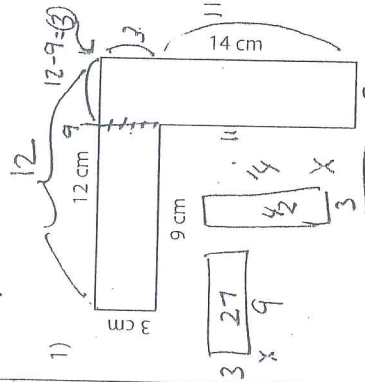
decompose
 \rightarrow **break apart**

cm = squares - distance
Area and Perimeter of L Shapes

$A = b \cdot h$

$A = bh$
 Add all lengths

Find the area and perimeter of each shape.

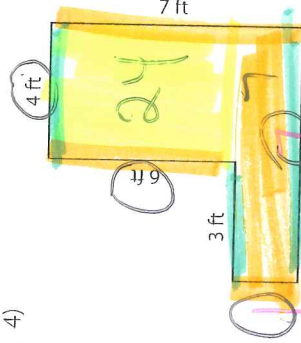


$$\begin{array}{r} 27 \\ + 42 \\ \hline 69 \end{array}$$

Area: 69 cm^2
 Perimeter: 52 cm

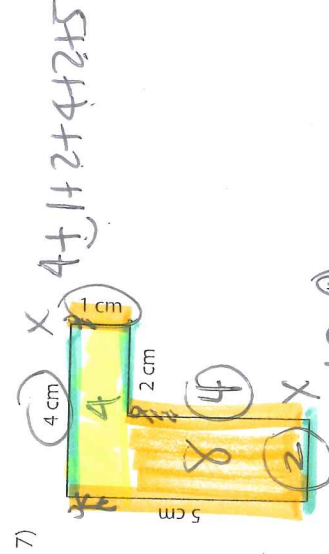
$P = 12 + 14 + 3 + 11 + 9 + 3 =$

4)



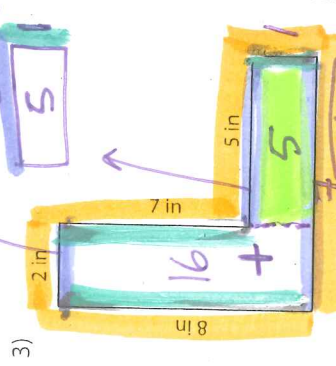
Area: 31 ft^2
 Perimeter: 28 ft

$4 + 7 + 7 + 4 + 3 + 6$



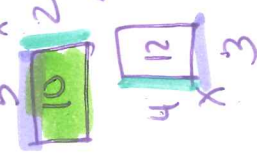
Area: 12 cm^2
 Perimeter: 18 cm

$4 + 1 + 2 + 4 + 2 + 5$



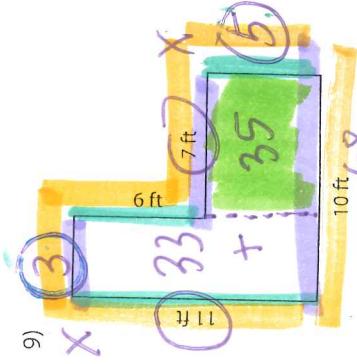
Area: 21 in^2
 Perimeter: 30 in

$2 + 7 + 5 + 1 + 7 + 8$



Area: 22 cm^2
 Perimeter: 27 cm

$5 + 6 + 3 + 4 + 2 + 2 =$



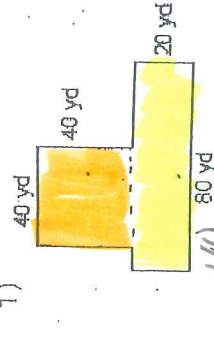
Area: 68 ft^2
 Perimeter: 42 ft

$3 + 6 + 7 + 5 + 10 + 11$

Area of Compound Shapes (+) (Add)

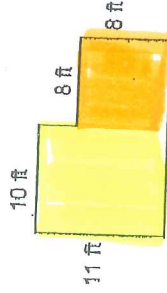
Find the area of each figure, round your answer to the nearest whole number if necessary.

1) $A = bh$



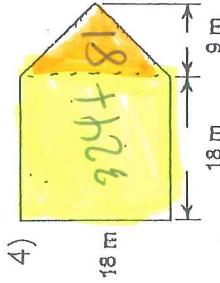
$40 \times 80 = 1600$
 $40 \times 20 = 800$
 $1600 + 800 = 2400$

2)

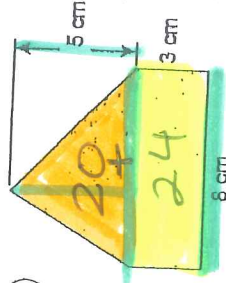


$10 \times 11 = 110$
 $10 \times 8 = 80$
 $110 + 80 = 190$

4) $A = bh$ $A = \frac{bh}{2}$ 6)

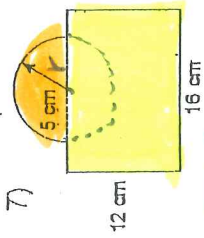


$18 \times 9 = 162$
 $\frac{18 \times 9}{2} = 81$
 $162 + 81 = 243$



$8 \times 24 = 192$
 $\frac{8 \times 5}{2} = 20$
 $192 + 20 = 212$

7) $A = bh$



$12 \times 16 = 192$
 $\frac{1}{2} \pi (6)^2 = 56.52$
 $192 + 56.52 = 248.52$

8)

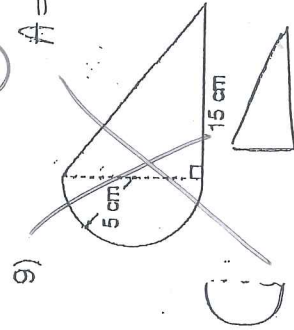


$A = \pi r^2$
 $3.14 (4)^2 = 50.24$
 $48 \times 8 = 384$
 $384 + 50.24 = 434.24$

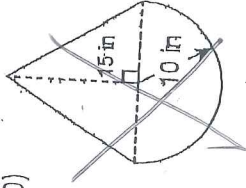
$192 + 39.25 = 231.25$

10)

$A = \frac{bh}{2}$



$15 \times 5 = 75$
 $\frac{15 \times 5}{2} = 37.5$
 $75 + 37.5 = 112.5$



$48 \times 8 = 384$
 $\frac{1}{2} \pi (4)^2 = 25.12$
 $384 + 25.12 = 409.12$

