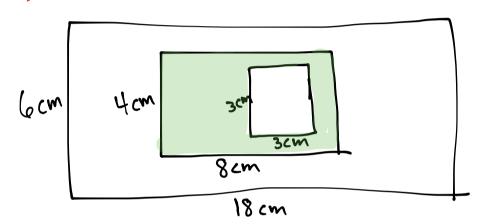
For homework, complete the top portion of each page. This will become an answer key for you to refer to when completing the bottom portion as a mini-personal white board activity during the summer.

Use a ruler and protractor to create and shade a figure according to the directions. Then, find the area of the unshaded part of the figure.

1. Draw a rectangle that is 18 cm long and 6 cm wide. Inside the rectangle, draw a smaller rectangle that is 8 cm long and 4 cm wide. Inside the smaller rectangle, draw a square that has a side length of 3 cm. Shade in the smaller rectangle, but leave the square unshaded. Find the area of the unshaded space.

TRAWING IS NOT TO SCALE.

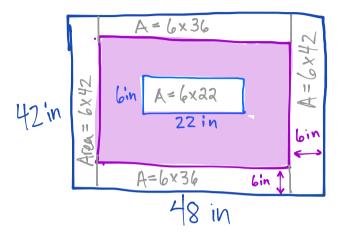


$$(4x8)-(3x3)$$

= 32 - 9
= 23 cm²

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2. Emanuel's science project display board is 42 inches long and 48 inches wide. He put a 6-inch border around the edge inside the board and placed a title in the center of the board that is 22 inches long and 6 inches wide. How many square inches of open space does Emanuel have left on his board?



$$(42 \times 48) - [(6 \times 42) + (6 \times 42) + (6 \times 36) + (6 \times 36) + (6 \times 22)]$$

$$= 2016 - [252 + 252 + 216 + 214 + 132]$$

$$= 2016 - [048]$$

$$= 948 in^{2}$$

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Challenge: Replace the given dimensions with different measurements, and solve again.