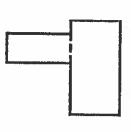
9.6 Area of Composite Figures (6.G.1)

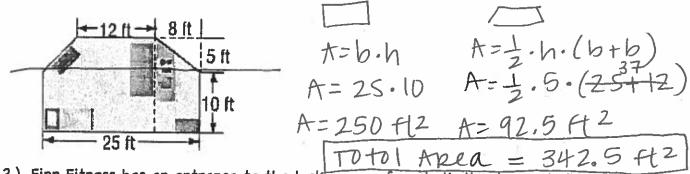
COMPOSITE FIGURE - a figure made of two or more two-dimensional figures.

The composite figure shown below is made up of $\pm \sqrt{0}$ rectangles.



Guided Practice

1.) The manager of an apartment complex will install new carpeting in a studio apartment. The floor plan is shown at the right. What is the <u>total area</u> that needs to be carpeted?



16 ft

* don't

locker

MOON

mill

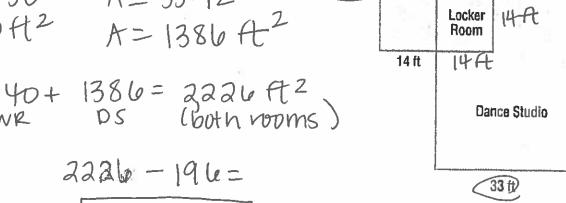
Weight Room

30 ft

2.) Finn Fitness has an entrance to the locker room from both the dance studio and the weight room. What is the total area of Finn Fitness?

 $\frac{WP}{A=b\cdot h} = \frac{DS}{A=b\cdot h}$ $A=28\cdot 30 \qquad A=33\cdot 42$ A=840 + 1386 = 3226 + 12 $WR \qquad DS \qquad (both rooms)$

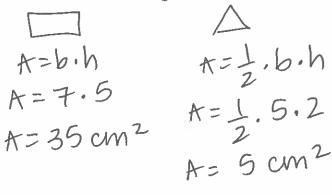
2030 ft2

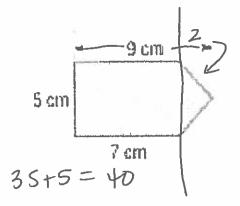


9.6 Area of Composite Figures (6.G.1)

Partner talk

Find the area of the figure.





Total Area = 40 cm²

Building on the Essential Question - How can you decompose figures to find area?

#1 "cut" the figures into triangles, parallelograms, and trapetoids.

#2 Find the area of each shape.

#3 Add the individual shape areas together.

Rate Yourseif - Are you ready to move on? Shade the section that applies.



< Rate
yourself!