Date_

Hour

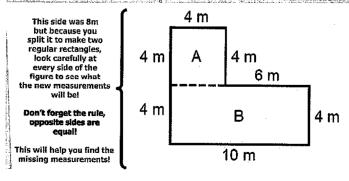
Area

of Irregular Shapes

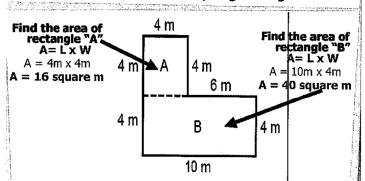
Divide the irregular figure into regular figures.

4 m
4 m
A 4 m
6 m
4 m
10 m

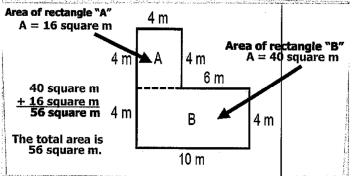
Look for missing measurements that you will need to find the area of each new regular figure.



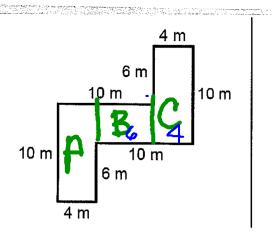
Find the area of every regular figure.



Add the areas of every regular figure.



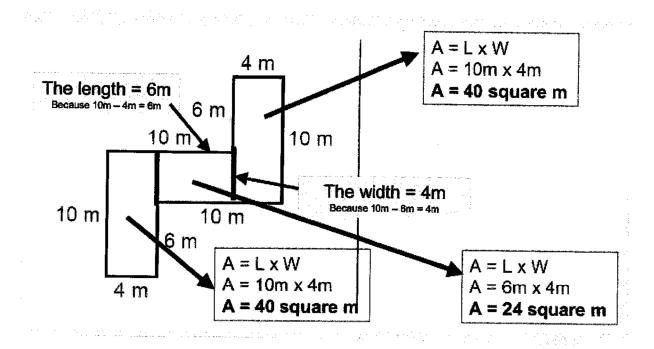
Find the area of this figure:



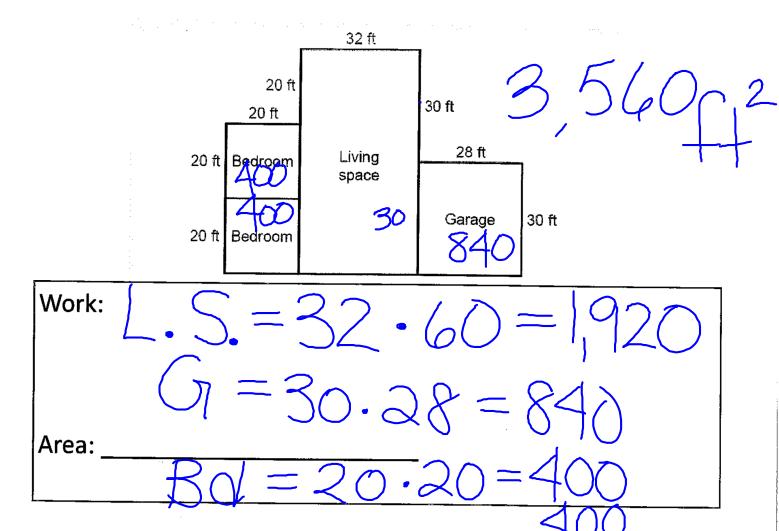
Work: A = 10.4 = 47

Area: _

Work it out like this...



Try another one...

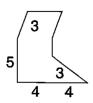


Reteach

10-3 Area of Composite Figures

Sometimes you can use area formulas you know to help you find the area of other figures.

To find the area of the figure below, first divide the figure into figures you know.



The figure is made up of a triangle, a parallelogram, and a rectangle.

Next, find the area of each figure.

Triangle

Parallelogram

Rectangle

$$A = \frac{1}{2}bh$$

$$A = bt$$

$$A = \ell w$$

$$=\frac{1}{2}(3 \cdot 4)$$

$$= 12$$

Then, find the sum of all of the areas.

6 + 12 + 20 = 38

The area of the figure is 38 square units.

Find the area of each figure.

1:4.3=12 3



2:3.2:2=3

12+3=15wHs2

1:**2:2=4** 2:52_A

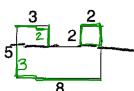
Copyright © by Holt, Rinehart and Winston.
All rights reserved.

2.



1:5.3=15 2:5.4÷2=10

4.



1:3.2=6

A=24+6+4

3:8:2=7

 $34 \, \text{units}^2$