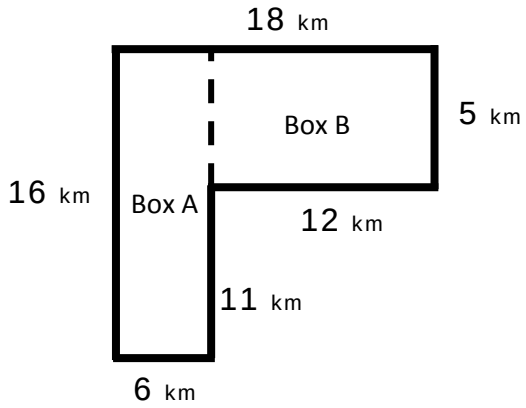
Name _____ Date _____

Recognize Area as Additive - Guided Lesson Explanation

Explanation to #1

Step 1) Let's break the figure into two rectangles. Then we just need to find the area of each rectangle and add the areas together.

Step 2)



Step 3) Find the area of box A and B.

Area = Length x Width

Area of Box A

$16 \times 6 = 96 \text{ km}^2$.

Area of box B

$12 \times 5 = 60 \text{ km}^2$.

Now find the units. The lengths are measured in kilometers, so the area is measured in square kilometers. To find the total area, just add the area of both boxes.

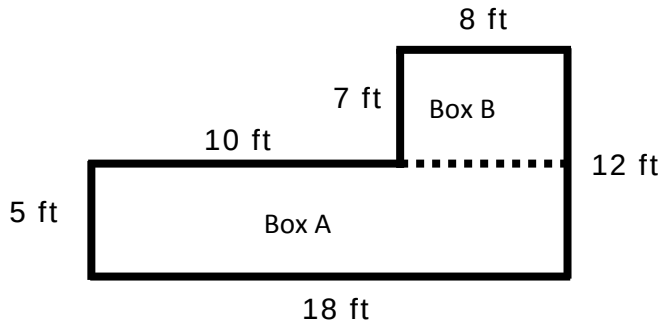
The area is $96 + 60 = 156 \text{ km}^2$.

Name _____ Date _____

Explanation to #2

Step 1) To find the area of the deck, first create two workable rectangles.

Step 2)



Step 3) Find the area of both boxes.

Area = Length x Width

Area of Box A

$18 \times 5 = 90 \text{ ft}^2$

Area of box B

$7 \times 8 = 56 \text{ ft}^2$

Step 4) To find the total area, just add the area of both boxes.

The area is $90 + 56 = 146 \text{ ft}^2$

Step 5) To find the total cost, just multiply the square footage by the price per square foot.

Cost 146 ft X \$10 = \$1,460

Name _____ Date _____

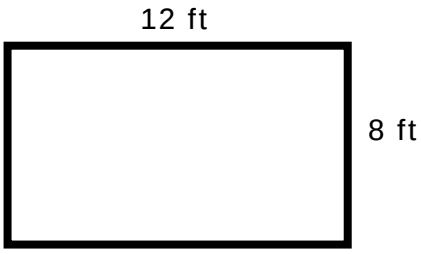
Explanation to #3

This one should be simple if you mastered the first two problems.

Step 1) Identify what is being asked of you?

"Find the area of the figure"

Step 2)



Step 3) put these numbers into the formula.

Area = Length x Width

Area of Box A

12 x 8 = 96

Now find the units. The lengths are measured in feet, so the area is measured in square feet.

The area is 96 ft^2