## Area and Perimeter Word Problems - Guided Lesson Explanation

**Explanation to #1**

Step 1) Identify what is being asked of you.

"Find the cost of the cover for the note book"

Step 2) We can find the area of the note book by using the formula:

Area of the rectangle = Length x Width

The area of the note book is 9 inches x 12 inches = 108 square inches

Step 3 ) Find the cost of the notebook cover.

Total cost = Area of the notebook x cost per square inch

Total cost = 108 x 8 = $864

The total cost is $864.

**Explanation to #2**

Step 1) It is clear that they want to know the length of any side of the gift box.

Step 2) Area of the square = $a^2$    (a = length of side)

Step 3) We have the area of the square gift box.

To find the length of any side of the gift box, we find the square root of the area.

The length is:

$49 = a^2$

$a = \sqrt{49}$

$a = 7$

The length is 7 feet

Name _____          Date _____

**Explanation to #3**

Step 1) Identify what is being asked of you.

"What is the area of the LCD TV?"

Step 2) We can find the area of the LCD by using the formula:

Area of the rectangle = Length x Width

The area of the LCD TV is 18 x 24 = 432 square inches

The area is: 432 square inches