

Geometry 5

1) Tom is going to build a fence around his garden which is a rectangle measuring 12 m by 16 m. He will first put in posts which will be 4 m apart. If the posts cost \$5.40 each, what will be the total cost for all the posts? 1) \_\_\_\_\_

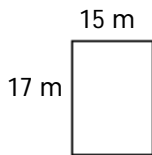
2) What will it cost to buy ceiling molding to go around a rectangular room with length 14 ft and width 11 ft? The molding costs \$1.74 per linear foot. 2) \_\_\_\_\_

3) Find the area of a rectangle measuring 2.5 yd by 10.73 yd. 3) \_\_\_\_\_

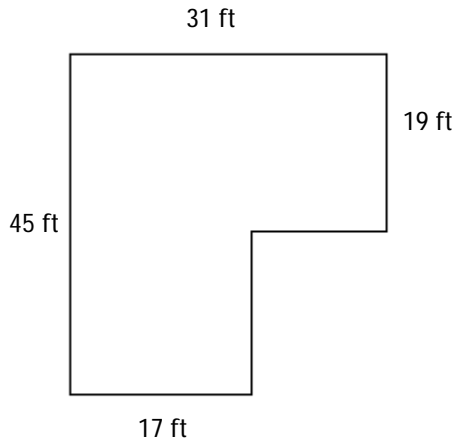
4) A small farm field is a square measuring 280 ft on a side. What is the perimeter of the field? If you double the length of each side of the field, what is the new perimeter? 4) \_\_\_\_\_

5) Find the area of a square measuring 37.1 m on a side. 5) \_\_\_\_\_

6) 6) \_\_\_\_\_



7) Christmas lights need to be hung around an L-shaped office building. Find the total length of the Christmas lights needed to hang them around the entire building. 7) \_\_\_\_\_



8) Complement of  $46^\circ$  8) \_\_\_\_\_

9) Complement of  $39^\circ$  9) \_\_\_\_\_

10) Supplement of  $56^\circ$  10) \_\_\_\_\_

11) Supplement of  $114^\circ$  11) \_\_\_\_\_

## Answer Key

Testname: UNTITLED3

- 1) \$75.60
- 2) \$87.00
- 3) 26.825 yd<sup>2</sup>
- 4) 1120 ft, 2240 ft
- 5) 1376.41 m<sup>2</sup>
- 6) 255 m<sup>2</sup>
- 7) 152 ft
- 8) 44°
- 9) 51°
- 10) 124°
- 11) 66°