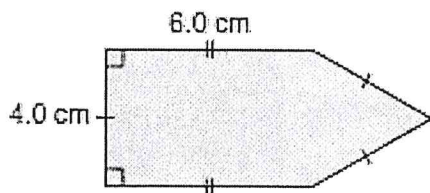


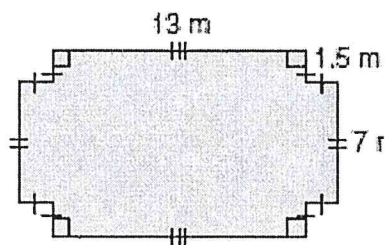
# Practice: Perimeter of Composite Shapes | MFM1P

1. Determine the perimeter of the following composite figures.

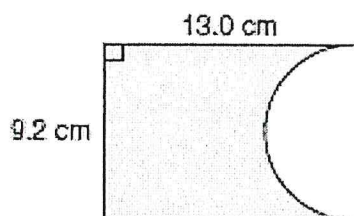
a)



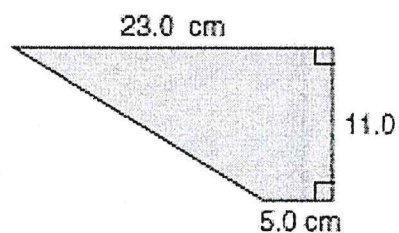
b)



c)



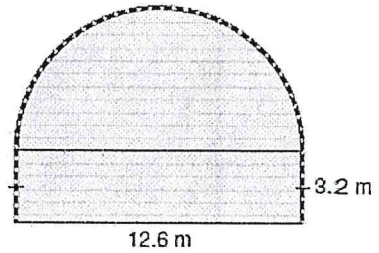
d)



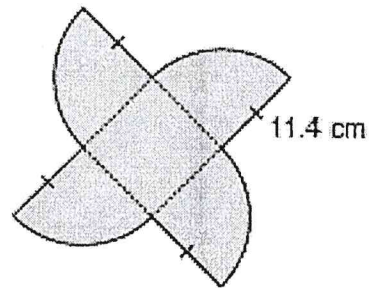
Hint:  
You will have to use the Pythagorean Theorem to find the unknown side!

2. Mr. Smith wants to build a fence around his rectangular yard. The width of his yard is 40 feet and the length is 60 feet. If fencing costs \$8 per foot, how much will this fencing cost? Include 13% tax when calculating your answer.

3. Sarah is lighting the theatre stage arch for the new play. The arch is semicircle on top of a rectangle. How long is the string of lights?

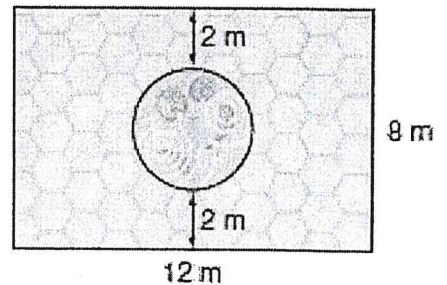


4. This design is 4 one-quarter circles on the sides of a square. What is the perimeter of the design?



5. A circular fish pond is set in a rectangular patio. Plastic edging is placed around the pond and the patio.

a) What length of edging is used?



b) The edging costs \$4.79/m. What is the total cost of the edging with taxes?

**Answers:**

1. a) 24 cm b) 52 cm c) 49.64 cm d) 60.10 cm 2. \$1808 3. 26.19 m 4. 117.23 cm  
5. a) 52.57 m but 53 m would have to be purchased b) \$286.87