

3.1 Perimeter and Area Practice

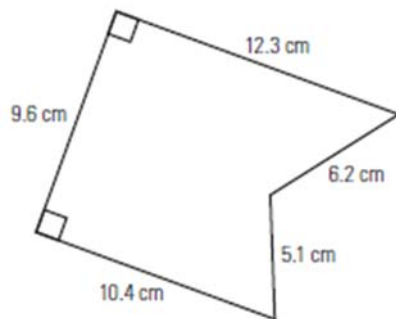
Show all work. Write the formula then substitute and then answer. Round all answers to the nearest hundredth!

Calculate the perimeters of the following diagrams

1.



2.

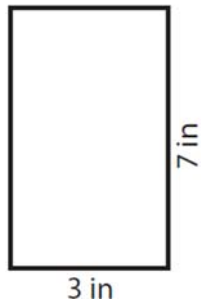


3.

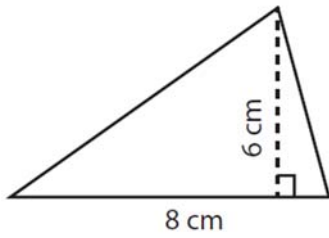


Find the area of the following shapes

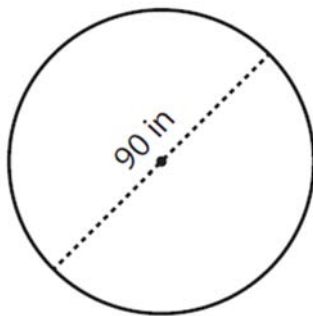
a.



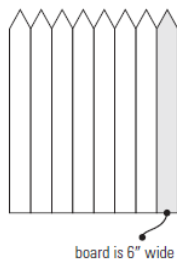
b.



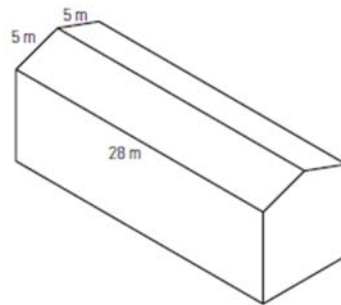
c.



1. Garry installs a fence around a rectangular pasture. The pasture measures 15 m by 25 m, and he uses three rows of barbed wire. How much wire did he use?
2. Bernard is buying some lumber to finish a project. He needs 3 pieces of 2" by 4" that are each $4\frac{1}{2}$ feet long, and 10 pieces of 2" by 2" that are each $5\frac{1}{2}$ feet long. How many feet of **each** type of wood does he need?
3. If each board in a fence is 6 inches wide, how many of them will Jose need to fence a playground that is 60 feet wide by 125 feet long?

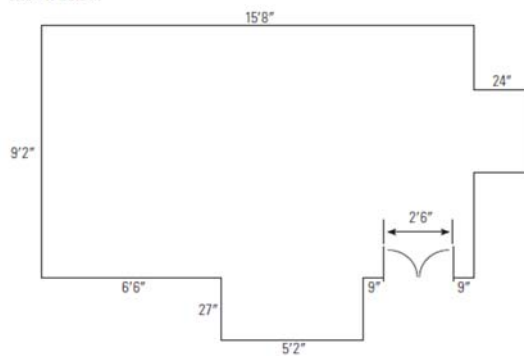


7. Johnny wants to put Christmas lights along the edges of his roof. How many metres of lights will he need?



8. Henry uses coloured wire to make a model of the Olympic symbol (5 interlocking circles). If each circle has a radius of 35 cm, how much wire does he need for the rings?

9. Bob is trying to calculate how much baseboard he will need for the room below? What is the minimum amount of each baseboard he will need?



10. Chantal is building a fence around her swimming pool. The pool is 25 ft. long and 12 ft. wide, and she wants a 6 ft. wide rectangular walkway around the entire pool. How much fencing will she need?