

Area and Perimeter Practice – Traffic Lights

Complete coloured exit cards located against the board.

Guidelines:

1. You must complete at least one card of each colour
2. You must accumulate at least 10 points by completing any combination of coloured cards using the following point system:

Beginner Problems (Red = 1 point - Take it slow!)

Intermediate Problems (Yellow = 2 points - Getting there!)

Advanced Problems (Green = 3 Points - All Systems go!)

The way I did it:

Everyone completes all of the Red questions (printed on red paper)

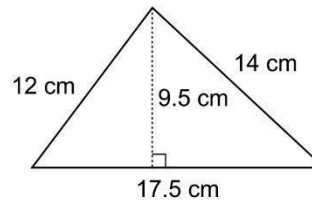
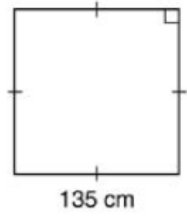
These can be given out on a single sheet of paper

Then students try to accumulate as many points as possible on the yellow and green questions.

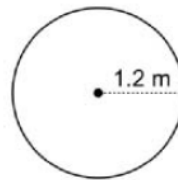
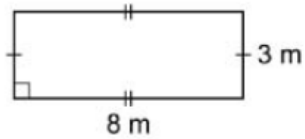
Print these questions on yellow and green paper and consider cutting them out.

Area and Perimeter: Beginner Problems (Red – 1 POINT each)

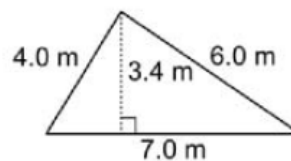
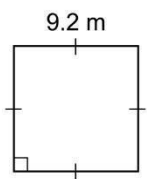
Determine the area and perimeter of the following shapes:



Determine the area and perimeter of the following shapes:

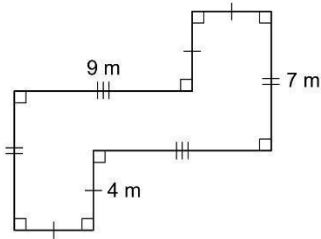
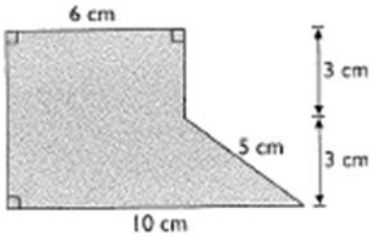


Determine the area and perimeter of the following shapes:

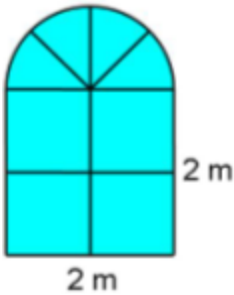
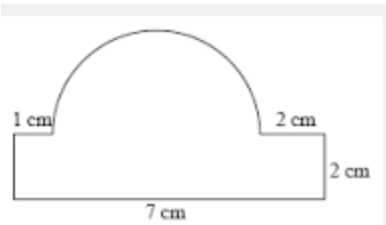


Area and Perimeter: Intermediate Problems (Yellow – 2 POINTS)

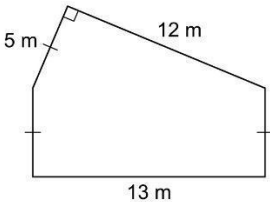
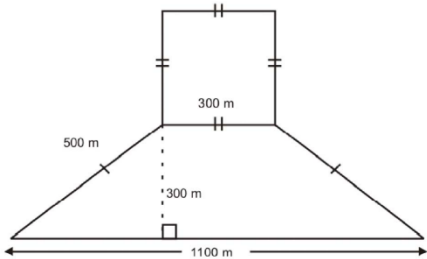
Determine the area and perimeter of the following shapes:



Determine the area and perimeter of the following shapes:



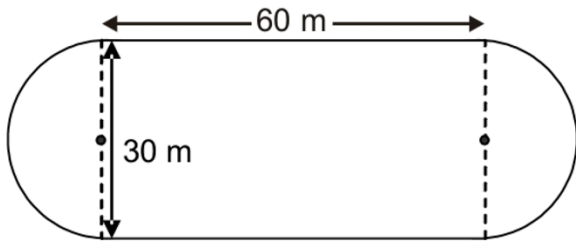
Determine the area and perimeter of the following shapes:



Area and Perimeter: Intermediate Problems (Yellow – 2 POINTS)

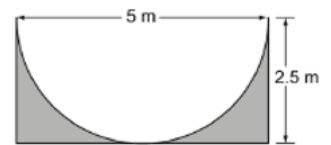
Westview School's track is shown below.

Determine the area of the field within the track as well as the perimeter of the track.



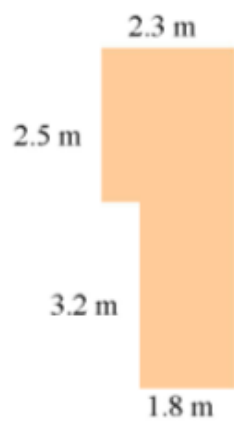
The front view of the half pipe is semi-circular with a diameter of 5 m.

- a) Determine the distance travelled, when a skateboarder follows the path of the half pipe from the top of one side to the other side.
- b) Calculate the area of the shaded part of the half pipe.



Colin is painting his basement floor. The dimensions are shown on the diagram below:

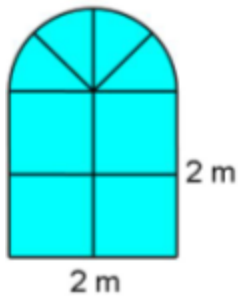
Determine the area and perimeter of the floor.



AREA and Perimeter: Advanced Problems (Green – 3 POINTS)

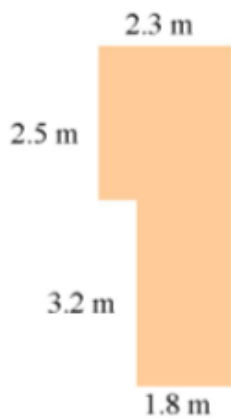
Steph wants to make curtains to cover her decorative window. In order to hem the curtains she will add 10 cm to each edge.

If 1 m^2 of curtain material cost \$2.20, how much will it cost to make the curtains including 13% for the HST.

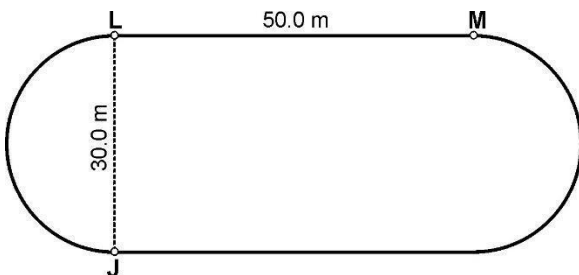


Colin is painting his basement floor. The dimensions are shown on the diagram below:

If one can of paint will cover 3.5 m^2 , and each can costs \$15.25, what is the total cost including 13% HST.



Westview School has a track.

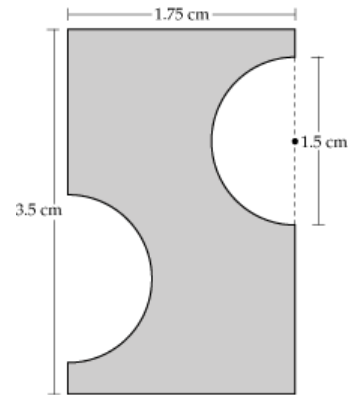
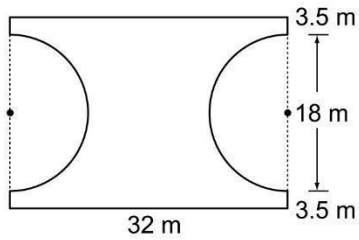


You want to run 2 km every day. Determine how many times you have to go around the track.

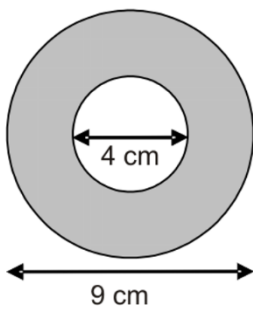
--

AREA and Perimeter: Advanced Problems (Green – 3 POINTS)

Determine the area and perimeter of the following shapes:



Find the area of the shaded region as well as the circumference of both circles.



Determine the area and perimeter of the following shapes:

