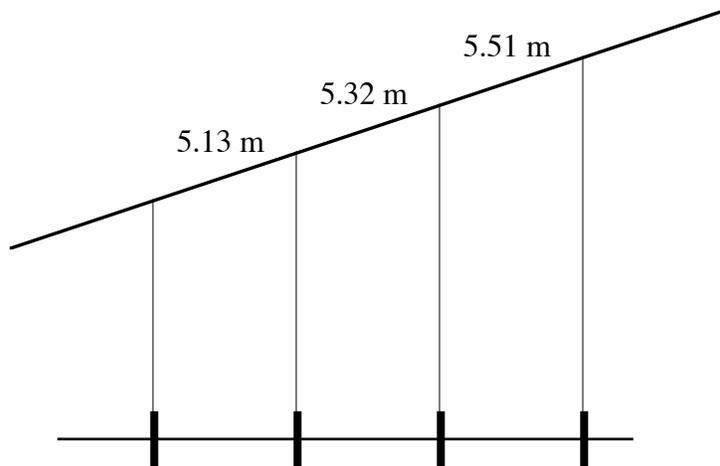




7. A freeway overpass in Canada has signs which give the maximum height in meters of vehicles which can pass underneath in each particular lane. The freeway itself is level, and the slope of the overpass is  $\frac{1}{20}$ . Each lane of the freeway has the same width. How many meters wide is each lane?



8. An extra-large jigsaw puzzle is a 2 x 3 foot rectangle when assembled. It has 48 pieces. The average area of a puzzle piece is how many square inches?
9. The meteorite that caused the extinction of the dinosaurs was approximately spherical in shape with a radius of 3.1 miles. If its density was 200 lb. per cubic foot, how many tons did it weigh? Answer in scientific notation.
10. The vertices of 5 squares are connected to form an octagon. If the side length of each square is 5, to the nearest tenth, what is the perimeter of the octagon?

