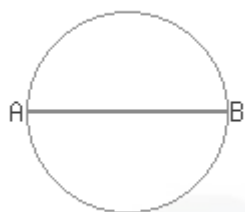
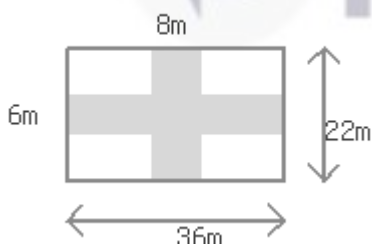


Answer the questions

- (1) A contract has been given to a contractor to construct the boundary of a rectangular path with perimeter 180 meter. If the length of the park is 60 meter, what is the breadth of the park? Also, find the area of the park.
- (2) What is the volume of a box that is 40 cm long, 70 cm wide and 100 cm high?
- (3) If the circle given below has an area 616, then what will be perimeter of a semi-circle formed, if we cut the circle at AB (assume $\pi = 22/7$)



- (4) What is the area of the shaded region in the given figure?



- (5) A farmer wants to tie his cow with rope so that it can graze the grass in an area of 27 m^2 . What should be the length of the rope? (Assume $\pi = 3$ for this question).
- (6) The front wall of a factory shown below has to be painted. The area of the entrance shown in grey does not need to be painted. If the cost of painting is €40 per square m, find the total cost for painting the entire wall.

