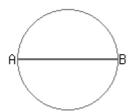
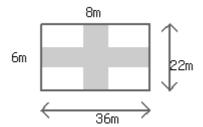
Answer the questions

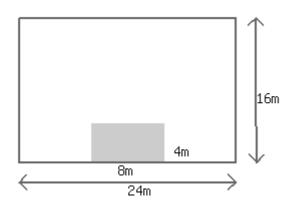
- (1) A contract has been given to a contractor to construct the boundary of a rectangular path with perimeter 180 meter. If the length of the park is 60 meter, what is the breadth of the park? Also, find the area of the park.
- (2) What is the volume of a box that is 40 cm long, 70 cm wide and 100 cm 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?



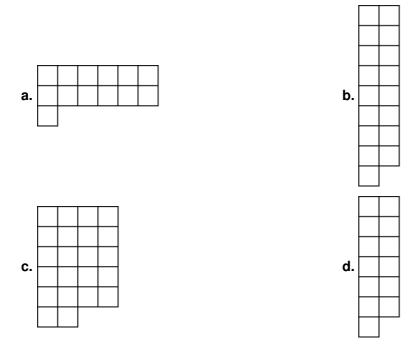
- (5) A farmer wants to tie his cow with rope so that it can graze the grass in an area of 27 m². What should be the length of the rope? (Assume $\pi = 3$ for this question).
- (6) The front wall of a factory shown below has to be painted. The area of the entrance shown in grey does not need to be painted. If the cost of painting is €40 per square m, find the total cost for painting the entire wall.



- (7) Radius of two concentric circles are 7 and 2 meters, respectively. Find the area of space between them. (Assume $\pi = 3$ for this question)
- (8) The diagonal of a rectangle is four times the length of its smaller side. What is the ratio of its length and breadth?
- (9) If the diameter of the wheel of a cycle is 46.2 cm. What distance will the cycle cover if the wheel completes 130 revolutions?
- (10) A square and an equilateral triangle have the same perimeter. The diagonal of the square is 9 cm. Find the area of the triangle.
- (11) If the diameter of the wheel of a truck is 49 cm. How many revolutions of the wheel are required to travel a distance of 462 km?
- (12) A swimming pool is 41 meter long and covers an area of 1066 sq. meter. What is the breadth of the swimming pool?

Choose correct answer(s) from the given choices

(13) Which of the following shapes represent the same area?



(14) Perimeter of a square = \times Length of the side

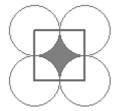
a. 2

b. 8

c. 3

d. 4

(15) If the square shown in the picture is of size 14 x 14 cm, find the area of the shaded region.



a. 98π

b. 196π

c. 49π

d. 196 - 49π