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Choose correct answer(s) from the given choices

(1) The base of the parallelogram is five times its height. If its area is $6125\ m^2$, find its base.

    a. $35\ m$ **b.** $350\ m$

    c. $175\ m$ **d.** None of these

(2) Some workers are painting a hall with length, breadth and height of 30 m, 25 m and 4 m respectively. If they can paint 10 m^2 area from one liter of paint, find the amount of paint required to paint the walls and ceiling of hall.
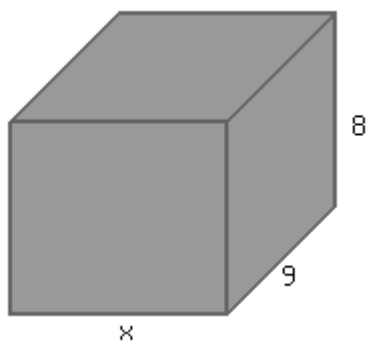
    a. 117 liters   **b.** 114 liters

    c. 123 liters   **d.** 119 liters

(3) The given figure $ABCDE$ is a pentagonal park in which $EA = ED, AB = BC = CD = DA = 11\ m$ and its total height is $19\ m$. Find the area of the park.
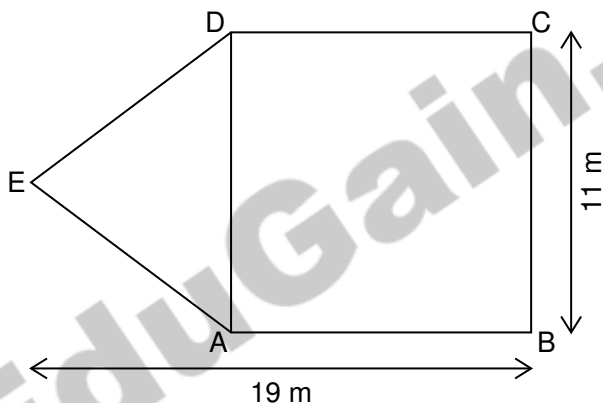
    a. $173\ m^2$ **b.** $165\ m^2$

    c. $160\ m^2$ **d.** $166\ m^2$
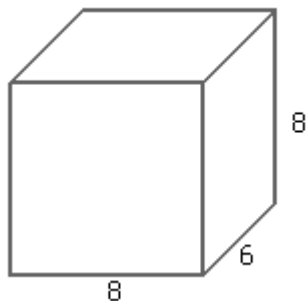
(4) If volume of following cuboid is 648 cm^3, find the value of **x**.

(All measurements are in cm)

a. 9 cm	**b.** 8 cm
c. 10 cm	**d.** 11 cm

Fill in the blanks

(5) The area of a triangle with base $= 44\ cm$ and height $= 40\ cm$ is _____ cm^2.

(6) The number of boxes, each of size 3 cm x 4 cm x 5 cm, that can be packed in a carton of size 24 cm x 48 cm x 55 cm is _____ .

(7) The amount of water that can be filled in this cuboid is _____ cm^3.

(All measurements are in cm)

Answer the questions

(8) A cuboid of size 1 cm × 11 cm × 4 cm is melted and re-shaped as cylinder of height 14 cm. Find the radius of the cylinder. (Assume $\pi = \dfrac{22}{7}$)

(9) Find the curved surface area of a cylinder having radius $16\ cm$ and height $21\ cm$.

(10) Find the area of a square, the length of whose diagonal is $18\sqrt{2}\ m$.

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