

By. Er. Dharmendra Sir

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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

TEST - PAPER (CBSE/NCERT)

MENSURATION

SESSION -2024-25

CLASS - 8th

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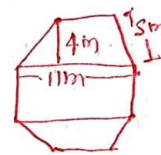
Time : 1 hr :- mensuration :- mm!

Q. 1. The area of trapezium is 34 cm^2 and the length of one of the parallel sides is 10 cm and its height is 4 cm . Find the length of the other parallel side.

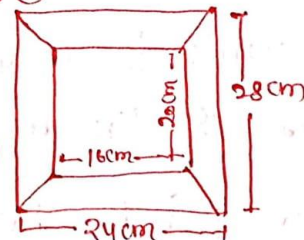


Q. 2. The diagonal of a quadrilateral shaped field is 24 m and the perpendicular dropped on it from the remaining opposite vertices are 8 m and 13 m . Find the area of the field.

Q. 3. Top surface of a raised platform is in the shape of regular octagon as shown in the figure. Find the area of the octagonal surface.



Q. 4. Diagram of the adjacent picture frame has outer dimensions $24 \text{ cm} \times 28 \text{ cm}$ and inner dimensions $16 \text{ cm} \times 20 \text{ cm}$. Find the area of each section of the frame. If the width of each section is same.



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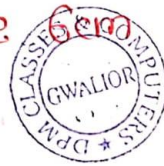
Q. 5. Find the side of a cube whose surface area is 600 cm^2

Q. 6. Rukhsar painted the outside of the cabinet of measure $1\text{m} \times 2\text{m} \times 1.5\text{m}$. How much surface area did she cover if she painted all except the bottom of the cabinet.



Q. 7. A road roller takes 750 complete revolutions to move once over to level a road. Find the area of the road if the diameter of a road roller is 84 cm and length is 1m (100cm).

Q. 8. A cuboid is the dimensions $60\text{cm} \times 54\text{cm} \times 30\text{cm}$. How many small cubes with side 6cm can be placed in the given cuboid?



Q. 9. Find the height of the cylinder whose volume is 1.54 m^3 and the diameter of the base is 140cm

Q. 10. Find the height of a cuboid whose area is 180 cm^2 (base) and volume is 900 cm^3 ?

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