Area, Perimeter & Volume: Medium Practice Paper 4

Q1. A rectangular field measures 10 m by 6 m. A rectangular pond 4 m by 3 m is dug in it. What area of field is left?

A. 12 m² B. 36 m² C. 48 m² D. 54 m² E. 60 m²

Q2. A triangle has a base of 16 cm and a height of 5 cm. What is its area?

A. 21 cm² B. 40 cm² C. 42 cm² D. 80 cm² E. 160 cm²

Q3. A rectangle has an area of 132 cm² and a length of 11 cm. What is its width?

A. 10 cm B. 11 cm C. 12 cm D. 14 cm E. 121 cm

Q4. A rectangle measures 18 cm by 12 cm. What is its perimeter?

A. 30 cm B. 48 cm C. 54 cm D. 60 cm E. 216 cm

Q5. A cuboid measures 13 cm by 5 cm by 2 cm. What is its volume?

A. 20 cm³ B. 65 cm³ C. 120 cm³ D. 130 cm³ E. 142 cm³

Q6. A square has an area of 400 cm². What is its perimeter?

A. 20 cm B. 40 cm C. 60 cm D. 80 cm E. 100 cm

Q7. One box of grass seed covers 20 m². How many boxes are needed for a lawn measuring 12 m by 5 m?

A. 2 B. 3 C. 4 D. 5 E. 6

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Q8. A cube has edges of 9 cm. What is its volume?

A. 27 cm^3 B. 81 cm^3 C. 243 cm^3 D. 486 cm^3 E. 729 cm^3

Q9. A rectangle has a perimeter of 46 cm and a width of 8 cm. What is its length?

A. 12 cm B. 15 cm C. 19 cm D. 23 cm E. 38 cm

Q10. How many cubes of side 10 cm fit inside a box measuring 40 cm by 30 cm by 20 cm?

A. 9 B. 12 C. 24 D. 36 E. 240

Q11. A triangle has a base of 11 cm and a height of 4 cm. What is its area?

A. 15 cm^2 B. 22 cm^2 C. 30 cm^2 D. 44 cm^2 E. 88 cm^2

Q12. A cuboid has a volume of 210 cm^3 and a base measuring 7 cm by 5 cm. What is its height?

A. 3 cm B. 5 cm C. 6 cm D. 7 cm E. 8 cm

Q13. A rectangle measures 1.5 m by 80 cm. What is its area in square metres?

A. 1.2 m^2 B. 2.3 m^2 C. 12 m^2 D. 120 m^2 E. 1,200 m^2

Q14. An equilateral triangle has sides of 14 cm. What is its perimeter?

A. 28 cm B. 35 cm C. 42 cm D. 48 cm E. 56 cm

Q15. A square has an area of 169 cm^2. How long is each side?

A. 11 cm B. 12 cm C. 13 cm D. 14 cm E. 17 cm

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