Area, Perimeter & Volume: Medium Practice Paper 2

Q1. A rectangular lawn measures 8 m by 5 m. A rectangular flower bed 3 m by 2 m is dug out of it. What area of lawn is left?

A. 6 m² B. 28 m² C. 34 m² D. 40 m² E. 46 m²

Q2. A triangle has a base of 12 cm and a height of 7 cm. What is its area?

A. 19 cm² B. 38 cm² C. 42 cm² D. 84 cm² E. 168 cm²

Q3. A rectangle has an area of 96 cm² and a length of 12 cm. What is its width?

A. 6 cm B. 8 cm C. 9 cm D. 12 cm E. 84 cm

Q4. A rectangle measures 17 cm by 6 cm. What is its perimeter?

A. 23 cm B. 34 cm C. 40 cm D. 46 cm E. 102 cm

Q5. A cuboid measures 9 cm by 4 cm by 5 cm. What is its volume?

A. 18 cm³ B. 36 cm³ C. 90 cm³ D. 180 cm³ E. 202 cm³

Q6. A square has an area of 81 cm². What is its perimeter?

A. 9 cm B. 18 cm C. 27 cm D. 36 cm E. 324 cm

Q7. Paint costs £6 per square metre of wall covered. How much does it cost to paint a wall measuring 4 m by 3 m?

A. £42 B. £48 C. £60 D. £72 E. £84

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Q8. A cube has edges of 7 cm. What is its volume?

A. 21 cm^3 B. 49 cm^3 C. 147 cm^3 D. 294 cm^3 E. 343 cm^3

Q9. A rectangle has a perimeter of 36 cm and a width of 7 cm. What is its length?

A. 9 cm B. 11 cm C. 13 cm D. 18 cm E. 29 cm

Q10. How many tiles of width 25 cm fit in a single row along a wall 3 m long?

A. 8 B. 10 C. 12 D. 15 E. 20

Q11. A triangle has a base of 9 cm and a height of 6 cm. What is its area?

A. 15 cm^2 B. 27 cm^2 C. 30 cm^2 D. 54 cm^2 E. 108 cm^2

Q12. A cuboid has a volume of 120 cm^3 and a base area of 24 cm^2. What is its height?

A. 3 cm B. 4 cm C. 5 cm D. 6 cm E. 8 cm

Q13. What is the difference between the perimeter of a rectangle measuring 9 cm by 4 cm and the perimeter of a square of side 6 cm?

A. 0 cm B. 2 cm C. 4 cm D. 6 cm E. 10 cm

Q14. A regular pentagon has sides of 9 cm. What is its perimeter?

A. 27 cm B. 36 cm C. 45 cm D. 54 cm E. 81 cm

Q15. A square has a perimeter of 28 cm. What is its area?

A. 14 cm^2 B. 36 cm^2 C. 49 cm^2 D. 56 cm^2 E. 196 cm^2

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