Area, Perimeter & Volume: Medium Practice Paper 5

Q1. A rectangular patio measures 9 m by 6 m. A square flower bed of side 2 m is built in one corner. What area of patio is left?

A. 46 m² B. 50 m² C. 52 m² D. 54 m² E. 58 m²

Q2. A triangle has a base of 24 cm and a height of 5 cm. What is its area?

A. 29 cm² B. 58 cm² C. 60 cm² D. 120 cm² E. 240 cm²

Q3. A rectangle has an area of 156 cm² and a width of 12 cm. What is its length?

A. 11 cm B. 12 cm C. 13 cm D. 14 cm E. 144 cm

Q4. A rectangle measures 22 cm by 9 cm. What is its perimeter?

A. 31 cm B. 44 cm C. 58 cm D. 62 cm E. 198 cm

Q5. A cuboid measures 7 cm by 5 cm by 4 cm. What is its volume?

A. 16 cm³ B. 35 cm³ C. 70 cm³ D. 140 cm³ E. 166 cm³

Q6. A square has an area of 121 cm². What is its perimeter?

A. 11 cm B. 22 cm C. 33 cm D. 44 cm E. 484 cm

Q7. Fencing costs £15 per metre. How much does it cost to fence right around a rectangular garden measuring 8 m by 6 m?

A. £210 B. £280 C. £420 D. £560 E. £720

myfreeschool

Q8. A cube has edges of 12 cm. What is its volume?

A. 144 cm^3

B. 864 cm^3

C. 1,440 cm^3

D. 1,728 cm^3

E. 12,000 cm^3

Q9. A rectangle has a perimeter of 54 cm and a length of 17 cm. What is its width?

A. 8 cm B. 10 cm C. 12 cm D. 20 cm E. 37 cm

Q10. How many paving slabs of length 30 cm fit in a single row along a path 6 m long?

A. 12 B. 15 C. 18 D. 20 E. 24

Q11. A triangle has a base of 18 cm and a height of 9 cm. What is its area?

A. 27 cm^2 B. 54 cm^2 C. 81 cm^2 D. 162 cm^2 E. 324 cm^2

Q12. A cuboid has a volume of 448 cm^3 and a base measuring 8 cm by 7 cm. What is its height?

A. 4 cm B. 6 cm C. 7 cm D. 8 cm E. 9 cm

Q13. A rectangle measures 3 m by 250 cm. What is its area in square metres?

A. 5.5 m^2 B. 7.5 m^2 C. 9 m^2 D. 75 m^2 E. 750 m^2

Q14. A regular hexagon has sides of 12 cm. What is its perimeter?

A. 48 cm B. 60 cm C. 72 cm D. 84 cm E. 144 cm

myfreeschool

Q15. A square has an area of 196 cm^2. How long is each side?

A. 12 cm B. 13 cm C. 14 cm D. 16 cm E. 49 cm

myfreeschool