

- 73.** A watch worth Rs 5400 is offered for sale at Rs 4,500. What per cent discount is offered during the sale?
- 74.** In the year 2001, the number of malaria patients admitted in the hospitals of a state was 4,375. Every year this number decreases by 8%. Find the number of patients in 2003.

68. Find the S.P. if

(a) M.P. = Rs 5450 and discount = 5%

(b) M.P. = Rs 1300 and discount = 1.5%

- 41.** Abida bought 100 pens at the rate of Rs 3.50 per pen and pays a sales tax of 4%. The total amount paid by Abida is _____.
- 42.** The cost of a tape-recorder is Rs 10,800 inclusive of sales tax charged at 8%. The price of the tape-recorder before sales tax was charged is _____.

26. The surface areas of the six faces of a rectangular solid are 16, 16, 32, 32, 72 and 72 square centimetres. The volume of the solid, in cubic centimetres, is

- (a) 192 (b) 384 (c) 480 (d) 2592

27. Ramesh has three containers.

- (a) Cylindrical container A having radius r and height h ,
(b) Cylindrical container B having radius $2r$ and height $1/2 h$, and
(c) Cuboidal container C having dimensions $r \times r \times h$

The arrangement of the containers in the increasing order of their volumes is

- (a) A, B, C
(b) B, C, A
(c) C, A, B
(d) cannot be arranged



- 46.** Area of a rhombus = $\frac{1}{2}$ product of _____.
- 47.** Two cylinders A and B are formed by folding a rectangular sheet of dimensions 20 cm \times 10 cm along its length and also along its breadth respectively. Then volume of A is _____ of volume of B.
- 48.** In the above question, curved surface area of A is _____ curved surface area of B.
- 49.** _____ of a solid is the measurement of the space occupied by it.
- 50.** _____ surface area of room = area of 4 walls.

Example 8: Find CI on ₹ 12600 for 2 years at 10% per annum compounded annually.

6. Find the area of a rhombus whose side is 5 cm and whose altitude is 4.8 cm.
If one of its diagonals is 8 cm long, find the length of the other diagonal.