MATHEMATICS
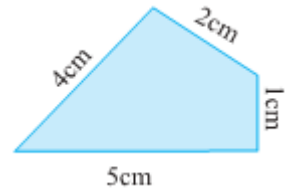
01. A number has 5 hundreds, 7 tens, 2 ones, 3 tenths, 6 hundredths and 5thousandths. The number is

   A. 572365   B. 57236.5   C. 5723.65   D. 572.365

02. The perimeter of the adjacent figure is
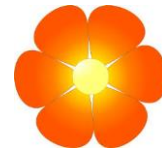
   A. 9 cm   B. 20 cm   C. 12 cm   D. 7 cm

03. The fraction representing the shaded portion in the adjacent figure is

   A. $\dfrac{3}{5}$ B. $\dfrac{3}{7}$ C. $\dfrac{3}{4}$ D. $\dfrac{4}{7}$
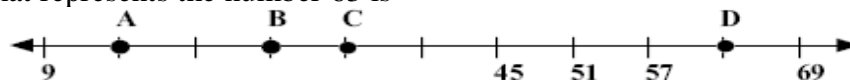
04. The number of lines of symmetry the adjacent figure has

   A. 1   B. 2   C. 3   D. 6

05. The point that represents the number 63 is

   A. B   B. A   C. C   D. D
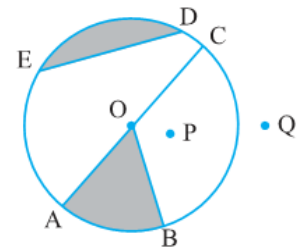
06. The fraction equivalent to $\dfrac{3}{5}$ is

   A. $\dfrac{3+2}{5+2}$ B. $\dfrac{3-2}{5-2}$ C. $\dfrac{3\times2}{5\times2}$ D. none of these

07. Mr. Santhosh divided his class students into groups of different numbers. He found that he can arrange them into groups of 5 and 6 without any students being left out. The least number of students in the class is

   A. 30   B. 10   C. 20   D. 40

08. Identify the segment from the given diagram

    A. AB   B. ED   C. OC   D. OB

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09. Given below the weight of various items. The difference between maximum and minimum weight is

    A. 70 kg   B. 80 kg
    C. 122 kg   D. 90 kg

Wheat	Rice	Bajra	Rajma
100 kg + 10 kg	120 kg + 20 kg	140 kg + 16 kg	150 kg + 50 kg

10. Ram has a wonderful machine. If you put any number in that machine, it first multiplies the number by 4 then subtracts 8 from the result and finally adds 6. Shyam puts 15 into the machine, the result will be

    A. 58   B. 60   C. 62   D. 56

11. For long distance telephone calls, a telephone company charges 30 paise per minute or 1 paisa for two seconds. The cost of a call for $3\frac{1}{2}$ minutes is

    A. ₹ 1.05   B. ₹ 1.20   C. ₹ 1.25   D. ₹1.30

12. The area of a rectangular garden is 2400 cm². If its length is 60 cm, the breadth of the garden is

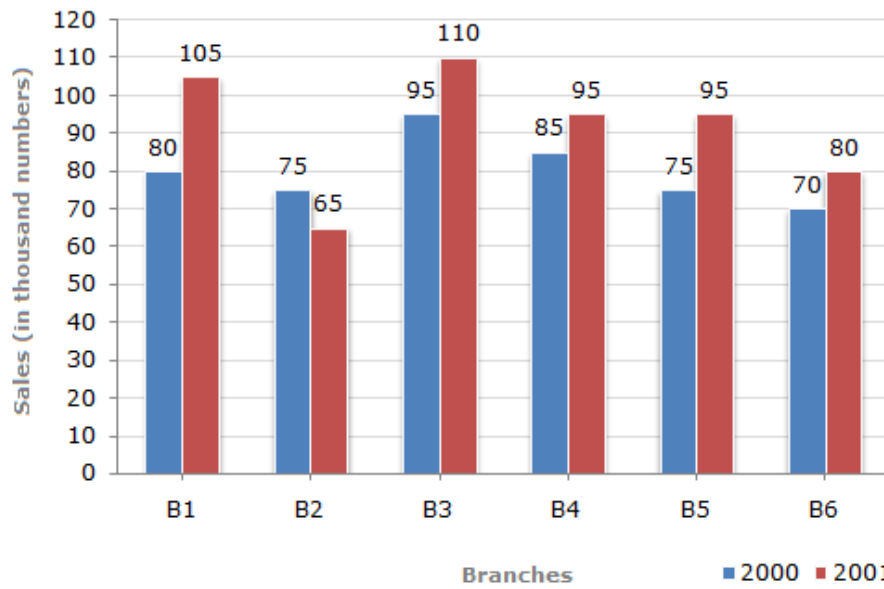   A. 40 cm   B. 20 cm   C. 30 cm   D. 50 cm

13. A carpenter has to make 20 items of furniture, some of them are stools with 3 legs and the remaining are chairs with 4 legs. If he has 72 legs of furniture and he would like to use all of them, the number of stools and chairs he can make is

    A. 12 chairs, 4 stools   B. 12 chairs, 8 stools
    C. 9 chairs, 12 stools   D. 10 chairs , 6 stools

14. In a school, the ratio of boys to girls is the same as the number of girls to teachers. If there are 200 boys and 100 girls, then the number of teachers in the school is

    A. 25   B. 75   C. 50   D. 100

15. Sales of Books (in thousands) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing company in 2000 and 2001 is given below:

Total sales of branches B1, B3 and B5 together for both the years (in thousand numbers) is

A. 250   B. 310   C. 435   D. 560