

1. Sugar is sold in four different sized packet. Which is the best buy?
☒ A. 250 g for \$0.80 B. 500 g for \$1.65 C. 1 kg for \$3.50 D. 2 kg for \$6.90
2. Rajan rides his bike at a speed of 5 m/s. What is this speed in km/h?
☒ A. 18 B. 19 C. 20 D. 21
3. If \$2000 is divided in the ratio 6 : 8 : 11, the smallest share is
A. \$80 ☒ B. \$480 C. \$640 D. \$880
4. The 28th day of a month is Thursday. The 4th day of that month was
☒ A. Monday B. Tuesday C. Wednesday D. Thursday
5. Two minutes to midnight in 24 hour time is
A. 1158 B. 2302 ☒ C. 2358 D. 0058
6. The extra time , in minutes, that would take to cover a distance of 100 km at 50 km/h instead of 60 km/h would be
A. 10 B. 12 ☒ C. 20 D. 30
7. If it takes Raj 15 minutes to cut a board into four pieces, how long would it take him to cut the same type board into 12 pieces?
A. 40 minutes B. 45 minutes C. 50 minutes ☒ D. 55 minutes
8. Each child in a family has at least five brothers and at least six sisters. What is the smallest number of children the family could have?
A. 10 B. 11 C. 12 ☒ D. 13
9. How many times are the hands of a clock perpendicular in a day?
A. 42 ☒ B. 44 C. 46 D. 48
10. Manet can paint a wall in 1 hour. Mohit can paint it in 30 minutes. If they work together, how many minutes will it take them to paint the wall?
A. 15 B. 17 ☒ C. 20 D. 22

11. After spending $\frac{1}{4}$ of my money, then $\frac{1}{5}$ of the remainder, I now have \$72 dollars

remaining. How many dollars did I start with?

- A. \$60 B. \$72 C. \$110 ☒ D. \$120

12. The price of a radio is \$230, which includes 15% VAT. What is the amount of VAT included in this price?

- A. \$15 ☒ B. \$30 C. \$34.50 D. \$200

13. The value of $1 - 2 + 3 - 4 + \dots - 100 + 101$ is

- ☒ A. 51 B. 62 C. 70 D. 99

14. When Ashika fenced her square garden, she needed 20 posts for each side. How many posts did she use?

- A. 80 B. 78 ☒ C. 76 D. 74

15. A cube of volume 1000 cm^3 is painted and is then cut into cubes with volume 1 cm^3 . How many small cubes have exactly one painted face?

- A. 64 ☒ B. 384 C. 512 D. 640

16. In numbering the pages of a book 246 digits are used. The number of pages in the book is

- ☒ A. 118 B. 123 C. 180 D. 246

17. What distance is represented by 8 cm if the scale is 1:100 000?

- A. 1 km ☒ B. 8 km C. 80 km D. 800 km

18. How many 200 mm square tiles are needed to cover an area of 3600 mm x 4000 mm?

- A. 200 B. 350 ☒ C. 360 D. 370

19. A goat is tied to the corner of a 8 m x 10 m building with 12 m rope. How many square metres of grass can it reach to eat?

- A 108π B 110π ☒ C 113π D 144π

20. Minjy invests \$2000 for 1 year and 5 months at a rate of 6% per annum simple interest. What is the total value of the investment at the end of this period?

- ☒ A. \$2170 B. \$2180 C. \$3003 D. \$3700

21. A car takes 5 hours to complete a journey when travelling at 60 km/h. How long would the same journey take if the car were travelling at 75 km/h?

- A. 3 h ☒ B. 4 h C. 5 h D. 6 h

22. A positive number is increased by 60%. By what percentage should the result be decreased to return to the original value?

- ☒ A. 37.5% B. 40% C. 62.5% D. 50%

23. Driving between two towns at 60 km/h instead of 50 km/h saves 10 minutes. The distance in kilometres between the two towns is

- ☒ A. 50km B. 55 km C. 60 km. D. 65 km

24. Ashok's bike tires have a radius of 30 cm. He rides his bike far enough that the tires rotate exactly five times. How far does his bike travel?

- A. 60π cm B. 100π cm C. 200π cm ☒ D. 300π cm

25. Anna and Tom ate an entire chocolate cake. The ratio of the amount eaten by Anna to the amount eaten by Tom is 3 : 1. What percentage of the cake did Tom eat?

- ☒ A. 25% B. 50% C. 75% D. 90%

26. An open box is made from a square piece of cardboard with sides 12 cm by cutting a square of sides 2 cm from each corner and bending up the sides. The volume of the box is

- ☒ A. 128 cm^3 B. 138 cm^3 C. 200 cm^3 D. 288 cm^3

27. A student had the following scores in maths: 77, 85, 88, 92, 96, 99, 100. What is the difference between the median and the mean of these scores?

- ☒ A 1 B 3 C 14 D 23

28. If 3 sandwiches, 7 cups of coffee, and 1 donut cost \$30, the cost of 6 sandwiches, 14 cups of coffee and 2 donuts would be

- ☒ A. \$60 B. \$75 C. \$90 D. \$95

29. Three men can paint 4 rooms in 12 hours. How many hours will it take one man to paint one room at the same rate?

- A. 8 ☒ B. 9 C. 10 D. 36

30. At a party, every attendee shakes hands with every other attendee once. If 66 handshakes occur at the party, how many people attended?

- A 11 ☒ B 12 C 13 D 14