

1. The value of $4 + |-3| \times |-2|$ is
A. 24 B. 14 C. 12 D. 10
2. Rajen bought a laptop on terms where he paid a \$300 deposit and made monthly repayments of \$100 for 2 years. How much did he pay for the laptop?
A. \$400 B. \$2100 C. \$2400 D. \$2700
3. What is the time 57 minutes before 4.33 pm?
A. 5.30 pm B. 3.34 pm C. 3.35 pm D. 3.36 pm
4. If you begin reading at the top of page x of your favourite story book and stop reading at the bottom of page y , the number of pages you have read is
A. $x - y$ B. $y - x$ C. $y - x - 1$ D. $y - x + 1$
5. A cube of edge length 3 units is painted. It is then cut into 27 one-unit cubes. How many faces of the one-unit cubes are not painted?
A. 27 B. 54 C. 100 D. 108
6. What is the equation of x -axis?
A. $x = 0$ B. $y = x$ C. $y = 0$ D. $y = -x$
7. The line through the point $(-3, -5)$ parallel to the x -axis has the equation
A. $x = -3$ B. $x = -5$ C. $y = -5$ D. $y = -3$
8. If Tony was born in 1947, the age he turns on his birthday in 2024 is
A. 75 B. 76 C. 77 D. 78
9. One million, thirty thousand and ten in numerals is
A. 10300010 B. 1003010 C. 1030010 D. 103010
10. The largest integer n for which $2 - 3n > -10$ is
A. 1 B. 2 C. 3 D. 4
11. When completely factorised $m - 3m^2$ is equal to
A. $m^2(1 - 3m)$ B. $m(1 - 3m)$ C. $m(m - 3)$ D. $m^2(m - 3)$

12. How many times are the hands of a clock perpendicular in a day?
A. 42 B. 44 C. 46 D. 48
13. If \$2000 is divided in the ratio 6 : 8 : 11, the smallest share is
A. \$80 B. \$480 C. \$640 D. \$880
14. 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
15. A car takes 5 hours to complete a journey when travelling at 80 km/h. How long would the same journey take if the car were travelling at 40 km/h?
A. 2.5 h B. 10 h C. 15 h D. 20 h
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. The extra time, in minutes, that would take to cover a distance of 200 km at 50 km/h instead of 60 km/h would be
A. 40 B. 30 C. 20 D. 15
18. 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
19. 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. 20 B. 18 C. 15 D. 10
20. Three men can complete a job in 8 days. How many days will it take four men to complete the same job if they work at the same rate?
A. 6 B. 7 C. 5 D. 4
21. Diana leaves home at noon, travelling West at 40 km/h. At 2.30 pm her husband leaves, taking the same route at 60 km/h. At what time will she overtake her?
A. 4.30pm B. 5.00pm C. 7.00pm D. 7.30pm

22. When 3 is subtracted from the product of x and 4, the result is 10.
The correct mathematical equation for the above is given by
- A. $4x - 10 = 3$ B. $3 - 4x = 10$ C. $4(x - 3) = 10$ D. $4x - 3 = 10$
23. At a party, every attendee shakes hands with every other attendee once. If 6 people are at the party, how many handshakes take place?
- A. 6 B. 7 C. 12 D. 15
24. If a 8-inch diameter circular pizza serves two students, how many students should two 12-inch diameter circular pizzas serve?
- A. 12 B. 11 C. 10 D. 9
25. A train 500m long is travelling at 20m/s. How long, in seconds, will it take to pass completely through a 1000 m tunnel?
- A. 25 B. 40 C. 50 D. 75
26. When we subtract $3a - 4b$ from $2a + 5b$ the answer is
- A. $a - 9b$ B. $b - a$ C. $9b - a$ D. $5a + b$
27. In 200 m race, Anna covers the distance in 72 seconds and Bina in 90 seconds. In this race Anna beats Bina by
- A. 50 m B. 45 m C. 40m D. 30 m
28. A 200m by 400m rectangular field is to be fenced and posts are to be placed 5m apart. If posts are sold in bundles of 5, how many bundles of posts would be needed?
- A. 38 B. 40 C. 48 D. 50
29. On her bicycle, Kara travelled 1.5 km in 3 minutes and 45 seconds. Her average speed in km/h was
- A. 10 B. 12 C. 24 D. 26
30. A car 4m long is travelling at 80km/h and overtakes a 16m long truck travelling at 75km/h. How long, in seconds, does it take the car to overtake the truck?
- A. 8.4 B. 9.2 C. 14.4 D. 15.9