1. The sum of (-3) and (-8) is

(a) -11

(c) -5

(b) 11

(d) 5

2. The length of the largest side of a right angled triangle is 5cm, and the length of the second side is 4. Then the length of the third side is

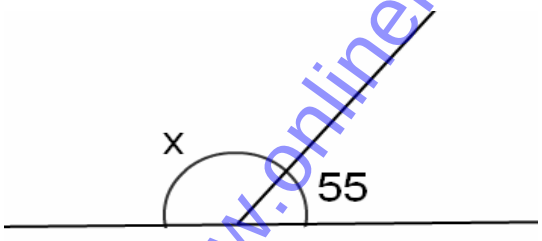
(a) 2

(c) 4

(b) 3

(d) 5

3.



The value of "x" in the above diagram is

(a) 124

(c) 126

(b) 125

(d) 128

4. Evaluate : (2/3)+(1/3)-1

(a) -1

(c) 0

(b)5/3

(d) 2/3

5. A Person hears a sound from some where. The sound travels one mile for five seconds. If the person is 10 miles away from the place where the sound is made, how long does it take for the sound to reach the person?

(a) 25

(c) 55

(b) 40

(d) 50

6. James travels in his car at the rate of 50 miles per hour. If he wants to travel 275 miles, how long will it take for him to reach his destination?

(a) 5 hours 30 minutes

(c) 5 hours 25 minutes

(b) 5 hours 20 minutes

(d) 5 hours 15 minutes

7. Mike earns 5.5% commission on his cell phone sales. In may, he earned a total of $428.56 in commissions. What was his sales that month?

(a) 7792

(c) 7794

(b) 7800

(d) 8000

8. Ronald starts to work in an office with the initial salary of $2000. Every year he gets increment of $100. What will be his salary in his 25 th year?

(a) 4500

(c) 4000

(b) 4800

(d) 4400

9. Sophia has a garden whose measurements are 30 feet by 40 feet. She wants to put a sidewalk around the garden that is 3 feet wide. What is the area of the sidewalk in feet?

(a) 480

(c) 470

(b) 456

(d) 465

10. Mr. Ken wants to buy a TV set. The list price of TV set is $ 1500. The seller allows a discount of 10% from the list price and charges 10% tax on cash paid after discount. How much does Mr. Ken have to pay?

(a) 1485

(c) 1486

(b) 1487

(d) 1488

11. The value of (1/2!) – (3/3!)

(a) 2

(c) 1

(b) 0

(d) 5

12. The angle between "x" and "y" axes on any graph sheet is

(a) 180

(c) 90

(b) 0

(d) 360

13. John is two years younger to Jack. Jack is 3 years elder to Kevin. If Kevin is 35 years old, how old is John?

(a) 36

(c) 37

(b) 38

(d) 39

14. What is the probability of getting three heads when four fair coins are tossed once?

(a) 1/4

(c) 1/2

(b) 2/3

(d) 1/16

15. Find the area of a sector whose perimeter is 110 cm and radius 20 cm.

(a) 600 Sq.cm

(c) 500 Sq.cm

(b) 700 Sq.cm

(d) 800 Sq.cm

16. Mr. Roy sells shirt for $24 and he gets profit of $4. What is the percentage of profit?

(a) 17%

(c) 19%

(b) 18%

(d) 20%

17. If 2,a,3,6 are in proportion, then the value of "a" is

(a) 5

(c) 2

(b) 4

(d) 3

18. If a,b,c and are four consecutive positive integers, then which of the following is true?

(a) a>b

(c) b<a

(b) c<b

(d) a<c

19. You have two lands to buy at the same cost. One is in square shape with the side length of 40 ft. The other one is in rectangle shape with the length 30 ft and width 50ft. Which is better deal?

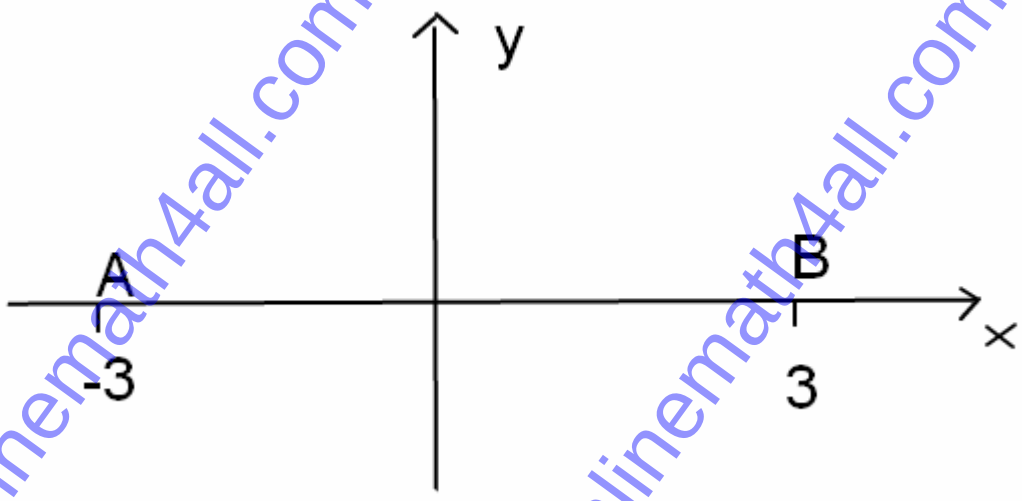
(a) Square

(c) Rectangle

(b) Both

(d) None of these

20.



What is the length of AB in the above figure?

(a) 3

(c) 6

(b) -6

(d) 0

21. The sum of numbers divisible by 7 between 50 and 100 ?

(a) 519

(c) 539

(b) 529

(d) 549

22. A bag contains red, green and blue balls. The total number of balls in the bag is 80. If 60% of the total balls are blue, what is the probability of taking a blue ball?

(a) 1

(c) 5/3

(b) 3/5

(d) 5/48

23. Square root of 2 is

(a) rational

(c) integer

(b) irrational

(d) none of these

24. The distance between A to B is 5 cm, B to C is 6 cm, C to D is 9 cm, D to E is 12 cm, E to F is 6.5 cm and F to G is 4.8 cm. Then, what is the distance between B to F?

(a) 22.5

(c) 13.5

(b) 33.5

(d) 43.5

25. The greatest common factor of $x^2y^2z^2$, x^2yz^2 and xyz^2 is

(a) xyz^2

(c) $x^2y^2z^2$

(b) x^2yz^2

(d) x^2y^2z

26. The sum of a number and its square is 90. Find the number.

(a) -10 or 9

(c) 10 or -9

(b) -10 or 8

(d) 10 or -8

27. In how many ways can five people sit in a round table?

(a) 240

(c) 120

(b) 24

(d) 720

28. If two dice are rolled, what is the probability of getting same number on both the dies?

(a) 2/3

(c) 1/6

(b) 15

(d) 3/2

29. Compare 4/5 and 5/6

(a) (4/5) > (5/6)

(c) (5/6) > (4/5)

(b) (4/5)=(5/6)

(d) None of these

30. The value of 25 factorial times 24 factorial is

(a) $25(24!)^2$

(b) 24x24!

(c) $24(25!)^2$

(d) 26!

31. A train travels 18 km/hr. How many meters will it travel in 12 minutes.

(a) 4000

(b) 3600

(c) 4500

(d) 2500

32. The average age of 30 kids is 9 years. If the teacher's age is included, the average age becomes 10 years. What is the teacher's age?

(a) 40

(b) 35

(c) 30

(d) 50

33. If the height of a cylinder is 7 cm and the radius is 3 cm, then the surface area of the cylinder is?

(a) 132π

(c) 132

(b) 134π

(d) 134

34. Jack purchases a calculator for $ 350 and sells for $420. Then the percentage of profit is

(a) 10%

(c) 15%

(b) 20%

(d) 30%

35. The average of 6 numbers is 8. What is the 7th number, so that the average becomes 10?

(a) 21

(c) 23

(b) 22

(d) 32

36. Find the number of prime factors of $6^{10} \times 7^{17} \times 55^{27}$

(a) 91

(c) 88

(b) 46

(d) 50

37. If 12 man can do a piece of work in 36 days. In how many days 18 men can do the same work?

(a) 28

(c) 29

(b) 30

(d) 24

38. A man traveled from the village to the post office at the rate of 25 kmph and walked back at the rate of 4 kmph. If the whole journey took 5 hours 48 minutes, find the distance of the post office from the village.

(a) 20

(c) 40

(b) 30

(d) 50

39. The sum of reciprocal of (3/2) and the reciprocal of 3 is

(a) 1/3

(b) 2/6

(c) 1

(d) 5/3

40. It is 9 hours now in a 12 hour clock. What will be the time after 18 hours?

(a) 4

(b) 2

(c) 3

(d) 1

41. A work was assigned to Mike on a Tuesday. He completed the work after 72 days. On what day did he complete the work?

(a) Thursday

(b) Saturday

(c) Tuesday

(d) Monday

42. What month is 19 months after july?

(a) January

(c) February

(b) March

(d) April

43. The wrong number of the sequence 1, 8, 27, 64, 124, 216, 343 is

(a) 27

(c) 64

(b) 124

(d) 343

44. A triangle with sides of length 6,8 and 10 is a

(a) Right triangle

(c) Isosceles triangle

(b) Equilateral triangle

(d) Scalene triangle

45. James, David and Jack live in a row of three houses on the same street. Walking their houses, they pass a white house first, then a green house, then a blue house. David lives next door to the green house. Jack does not live next door to his friend who lives in the blue house. Who lives in the blue house?

(a) David

(b) Jack

(c) James

(d) None of these

46. Tony had exactly $50, but he was not able to make change for a quarter. Then he lost 3 of his coins. How many cents does he have now?

(a) 21

(b) 30

(c) 20

(d) 31

47. In a triangle, the length of the first side is "x". The length of the second side is 2 cm greater than first side. The third side is 5 cm greater than the first side. If the perimeter of the triangle is 13, what is the length of each side?(Taken in order:1^{st} , 2^{nd},3^{rd})

(a) 1

(b) 2

(c) 3

(d) 4

48. In a right angled triangle, the length of the opposite side and adjacent side are 3 cm and 4 cm respectively. What is the area of the triangle?

(a) 6

(c) 3

(b) 5

(d) 4

49. Advertisement of sign at Cougar Country Drive-In says that the Cub Burgers at zero point 99 cents each. If this is really meant by them, how many Cub Burgers could you buy for 5 dollars, ignoring tax?

(a) 101

(c) 505

(b) 303

(d) 707

50. The reduced common fraction for the sum of (3/8) and (8/3) is

(a) 73/24

(c) 47/24

(b) 48/24

(d) 46/23

Answers

1. a	2. b	3. b	4.c	5.d	6.a
7. a	8. d	9. b	10. a	11. b	12. c
13. a	14. a	15. b	16. d	17. b	18. d
19. a	20. c	21. c	22. b	23. b	24. b
25. a	26. a	27. b	28. c	29. c	30. a
31. b	32. a	33. c	34. b	35. b	36. a
37. d	38.a	39. c	40. c	41. a	42. c
43. b	44. a	45. a	46. c	47. b	48.a
49.c	50. a				