1.   10 crore = _____ million

(A) 10   (B) 100

(C) 1000   (D) 10000

2.   Strike out the prime number

(A) 33   (B) 39

(C) 71   (D) 93

3.   618 × (………….) = 618 × 43 + 618 × 56

(A) (43 + 56)   (B) (618 × 56)

(C) (56 + 618)   (D) None of these

4.   Which of these add up to 9?

(A) −4, − 5   (B) −10, 1

(C) 16, −7   (D) 11, 2

5. $\frac{2}{5}x - \frac{7}{5}x$ is equal to

(A) −x   (B) x

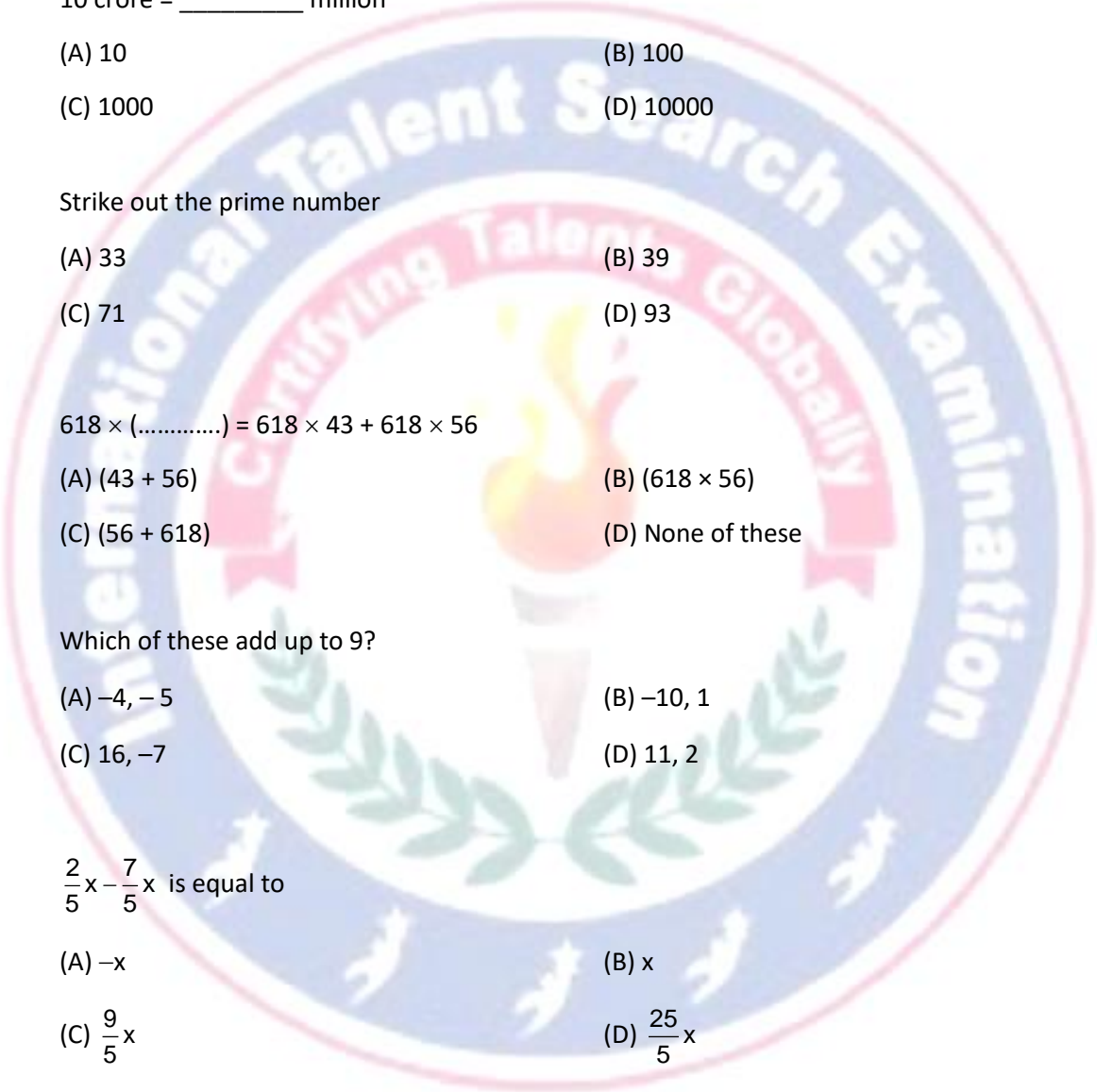(C) $\frac{9}{5}x$ (D) $\frac{25}{5}x$

6.   How many edges does a cuboid has?

(A) 6   (B) 12

(C) 14   (D) 15

7. If $\overrightarrow{AB}$ and $\overrightarrow{AC}$ are collinear and point A is the only common point of $\overrightarrow{AB}$ and $\overrightarrow{AC}$ then they are called

   (A) Equal rays

   (B) Opposite rays

   (C) Parallel rays

   (D) Common rays

8. The area of a rectangular part of length $15\frac{1}{2}$ m and breadth 12m is equal to

   (A) 186 m^2

   (B) $15\frac{12}{2}$ m^2

   (C) $15\frac{6}{1}$ m^2

   (D) none of these

9. The product of two decimals is 350.84. If one of them is 9.8, then the other decimal is

   (A) 35.8

   (B) 3.58

   (C) 0.358

   (D) 0.0279

10. The ratio 115:138 in its simplest form is

    (A) 2 : 3

    (B) 3 : 4

    (C) 1 : 2

    (D) 5 : 6

11. In which of the following field, numerical figures may be used:

    (A) Increase in population

    (B) Per capita National Income

    (C) Food production

    (D) All of these

12. How many chords of a circle can we draw?

    (A) 1

    (B) 2

    (C) 4

    (D) Any number

13. A rectangle has –

    (A) One point of symmetry

    (B) Rotational symmetry of order 2

(C) Two lines of symmetry   (D) All of these

14. If 19234 rounded to nearest tens, then we get :

    (A) 19000   (B) 19240

    (C) 19230   (D) 19200

15. Which of following numbers do not have more than two factors?

    (A) 91   (B) 95

    (C) 113   (D) 105

16. 4300731 – ? = 2535618

    (A) 1765331   (B) 1765113

    (C) 1766113   (D) None of these

17. Which is the largest two digit prime number?

    (A) 73   (B) 99

    (C) 97   (D) 89

18. On subtracting 6xy from −15xy, we get

    (A) 9xy   (B) −21xy

    (C) −9xy   (D) $-21x^2y^2$

19. How many faces does a cuboid has?

    (A) 6   (B) 5

    (C) 7   (D) 8

20. The complementary angle of 70° is:

(A) 20°   (B) 70°

(C) 110°   (D) 180°

21.   The product of the sum and difference of fractions $\frac{7}{9}$ and $\frac{2}{3}$ is

(A) $\frac{13}{9}$ (B) $\frac{1}{9}$

(C) 13   (D) $\frac{13}{81}$

22.   What should be added to $378\frac{1}{2}$ to make it 500 ?

(A) 250   (B) −121.5

(C) 121.5   (D) none of these

23.   The 4th proportion of 25, 100, 40 is:

(A) 170   (B) 160

(C) 180   (D) none of these

24.   How many types of statistical data are there?

(A) 1   (B) 2

(C) 3   (D) More than three

25.   The perimeter of a regular octagon having side 9cm is:

(A) 81cm   (B) 64cm

(C) 72cm   (D) none of these

26.   An equilateral triangle has rotational symmetry of order

(A) 2   (B) 3

(C) 1   (D) none of these

27. If a and b are odd numbers, then the one which is even, is:

    (A) a + b
    (B) a + b + 1

    (C) ab
    (D) ab + 2

28. Which of the following is multiple of 11

    (A) 1354
    (B) 14884

    (C) 193479
    (D) 17590

29. Find the value P – Q. Given that P = (6 × 7) × 3, Q = 6 × (7 × 3)

    (A) 9
    (B) 0

    (C) 51
    (D) None of these

30. Which of the following is a composite number?

    (A) 23
    (B) 17

    (C) 19
    (D) 39

31. $5x^2y + 7x^2y + 2x^2y$ is a trinomial, because

    (A) it is an algebraic expression
    (B) each term has 4 factors

    (C) has three terms
    (D) all of these

32. The volume of a cube is 343 cm^3. Find the edge of the cube (in cm).

    (A) 3.5 cm
    (B) 7 cm

    (C) 10.5 cm
    (D) 14 cm

33. A line has

    (A) no end point
    (B) two end point

    (C) one end point
    (D) none of these

34. The number of pieces of length $3\frac{1}{2}$ cm can be obtained from barbed wire of length 98cm are

    (A) 14   (B) 28

    (C) $\frac{98}{14}$ (D) none of these

35. The fraction $101\frac{27}{100000}$ in decimal form is

    (A) 0.01027   (B) 0.10127

    (C) 101.00027   (D) 101.000027

36. The ratio of zinc and copper in an alloy is 2 : 7. If the weight of copper in a sample of alloy is 10.5 grams then the amount of zinc in it is

    (A) 3g   (B) 7.5g

    (C) 36.75g   (D) 2.33g

37. The difference between the minimum and maximum observation is called:

    (A) Range   (B) Class mark

    (C) Class – size   (D) none of these

38. Which of the following statements is false?

    (A) If we join any two points on a circle we get a diameter of the circle.

    (B) A diameter of a circle contains the centre of the circle.

    (C) A circle has an infinite number of radii.

    (D) The length of a circle is called its circumference.

39. The line of symmetry of an angle is

    (A) the bisector of the angle   (B) The arms of the angle

    (C) perpendicular bisector of the arms   (D) none of these

40. Write each of the following decimals in words:

(A) 175.04   (B) 0.21

(C) 9.004   (D) 0.459

41. Which of the following is an improper fraction ?

    (A) 1/2   (C) 3/7

    (C) 7/3   (D) 3/15

43. Solution of equation 3q/2=5.

    (A) 3/10   (B) 10/3

    (C) 30   (D) 10

44. What is the number of negative integers between -11 and 11 ?

    (A) 10   (B) 11

    (C) 0   (D) 22

45. The product of the predecessor and the successor of the greatest 2- digit number is .

    (A) 9800   (B) 9700

    (C) 9900   (D) None of these