SEMISTER ASSESSMENT – II [2020-21]

GRADE- IV - MATHS

Q1. Choose the correct option.

1. The longest chord of a circle is its?

   a. Circle   b. Square   c. **Diameter**   d. Circumference

2. A _____ has no sides and corners.

   a. **Circle**   b. Rectangle   c. Triangle   d. Square

3. Radius of a circle is

   a. Equal to its diameter   b. **half of its diameter**   c. double of its Diameter   d. equal to its Circumference

4. The total length of the boundary of the circle is its ?

   a. Chord   b. Square   c. Diameter   d. **Circumference**

5. A circle is formed by a

   a. Straight line   b. **curved line**   c. zig- zig line   d. None of these

6. Every circle has_____

   a. 3 center   b. **1 center**   c. 4 center   d. 2 center

7. All line segments drawn from the center of a circle to a point on the circle, are called_____

   a. Chord   b. Center point   c. Diameter   d. **Radius**

8. In 3/8 , ____ is the numerator.

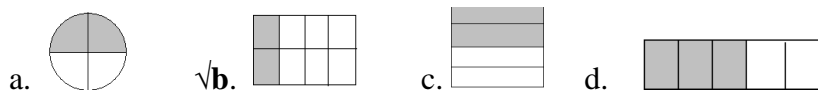   a. 8   b. 0   c. 1   d. **3**

9. Half means 1 part out of _____

   a. **2**   b. 0   c. 1   d. 3
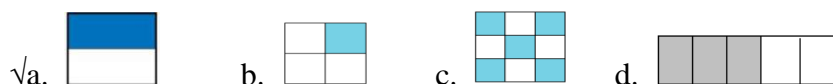
10. Quarter means 1 part out of _____
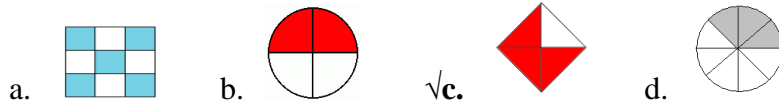
   a. 2   b. **4**   c. 0   d. 3

11. Choose the figure which shows 2/8 shaded part

   a.   √**b.**   c.   d.

12. Choose the figure which shows 1/2 shaded part

   √a.   b.   c.   d.

13. Choose the figure which shows 3/4 shaded part

a.   b.   √**c.**   d.

14. If the pattern continues, then what is the next number?

12, 10 ,8 ,6 ,4,_____
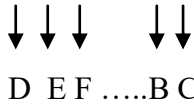
a. 1   b. **2**   c.3   d. 0

15. If the pattern continues, then what is the next number?

A26, B25, C24, D23, _____

a. E20   b. E8   **c.E22**   d. F20

16. Look the pattern A B C….. Y Z ,then 'PLAY becomes

↓↓↓   ↓↓

D E F …..B C

a. SAPL   b. ANDY   **c. SODB**   d. PLAY

17. Choose the next term out of the given alternatives in the following patterns.

D-4, F-6, H-8, J-10, ___, _____

a. A-12, M-13   b. K-12, M-14   c.L-12, M-14   **d. L-12, N-14**

18.The upside down image of ♠ is

√**a.** ♥   b. ♦   c. ♠   d. None of these

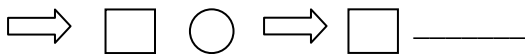19. What number is missing in the pattern?

12, 16, 20, _____, 28

a. 32   b. 26   c. 21 **d. 24**

20. Complete the pattern.

AB ABB ABBB_____

a. ABAB   b. **ABBBB**   c. AAB   d. BBB

21. Complete the pattern.

⇒ ☐ ◯ ⇒ ☐ ——

a. ⇒   b. ☐   √**c** ◯

22. 84×900 is equal to _____

a. 57600   b. 65700   c. **75600**   d. 76500

23. $82 \times 5 \times 100$ is equal to _____

   a. 14000   b. **41000** c. 10400 d. 40100

24. $16875 \div 25$ gives quotient as _____

   a. 645   b. 655   c. 665   d. **675**

25. How many 5 rupees coins are there in ₹1650?

   a. 320   b. **330**   c. 340   d. 350

26. $15,150 \div 100$ gives quotient as _____

   a. 15 b. 1510   c.**151**   d. none of these

27. $8,00,800 \div 80$ gives quotient as_____

   a. 10   b. 100   c.1001   d.**10010**

28. There are 60 boxes of pencils in a store. There are 14 pencils in each box.
   How many pencils are in the store?

  a. 500   b. 5   c. 60   d. **840**

29. A building has 35 floors. Each floor has 8 flats. The number of flats in the building is

   a. 35 + 8   b. 35÷8   c. **35 × 8**   d. 35 − 8

30. The cost of two different types of candies are ₹ 25 and ₹ 35, respectively find the total cost of two candies.

   a. 25 - 35   b. 35 - 25   c. 35 × 25   d. **35 + 25**

31. A bus has 60 seats. 40 seats are vacant. How many seats are already occupied?

   a. 60 + 40   b. 60÷40   c. 60 × 40   d. **60 − 40**

32. A factory manufactures 210 shoes in a week. How many shoes does it manufactures in day ?

   a. 10   b. 20   c. **30**   d. 40

33. 10 students planted 530 saplings. how many saplings did each student plant ?

   a. 530 + 10   b. **530 ÷ 10**   c. 530 × 10   d. 530 − 10

34. Rahul has solved a division problem. Find out whether he has solved it correctly or not ?

     $42 \div 8$; Q = 5, R = 2

  a. **It is correct**   b. it is incorrect   c. can't say   d. none of these

35. Which of the following is heavier ?

        I   II

  a. Both have equal weight   b. II is heavier   c. **I is heavier**   d. can't say

36. The weight of the eraser will be

   a. 10 kg   b. 100g   c. **10g**   d. 100kg

37. The weight of the apple will be

    a. 15 kg   b. **150 g**   c. 1500 g   d. 100 kg

38. Which of the following is heavier ?

             I   II

    a. **I is heavier**   b. II is heavier   c. Both have equal weight   d. can't say

39. Which of the following is the heaviest ?

        I   II   III

    a. I is heaviest   b. II is heaviest   c. **III is heaviest**   d. All have same weight

40. The weight of watermelon will be

    a. 3 g   b. 30 g   c. 300 g   d. **3 kg**

41. If the cost of 1 kg oranges is ₹ 30, then the cost of half kg $\frac{1}{2}$ kg will be _____

    a. **15** ₹   b. 60 ₹   c. 10 ₹   d. 20 ₹

42. The length of the boundary of a square whose each side is 4 cm, is equal to

    a**. 16 cm**   b.18 cm   c. 21 cm   d.24 cm

43. The length of the boundary of a rectangle whose length and breadth are 12 cm and 16 cm respectively,
    is equal to

    a. 60 cm   b.62 cm   c. **56 cm**   d.54 cm

44. The length of the boundary of a triangle whose sides are 210 cm, 150 cm and 340 cm respectively,
    is equal to

    a. 600 cm   b.460 cm   c. 760 cm   d.**700 cm**

45. The length of the boundary of a square whose each side is 8 cm, is equal to

    a. 16 cm   b.18 cm   c. **32 cm**   d. 24 cm

46. The length of the boundary of a triangle whose sides are 10 cm, 10 cm and 10 cm respectively,
    is equal to

    a. 20 cm   b.**30 cm**   c. 60 cm   d.15 cm

47. The length of the boundary surrounded a shape is called _____

    a. Area   b. Circle   c. **Perimeter**   d. triangle

48. The region enclosed between the boundaries of a figure is called ___

     a. **Area**   b. Perimeter   c. Triangle   d. Circle

49. When we get a remainder it is called _____

     a. **Imperfect division**   b. perfect division   c. division   d. multiplication

50. If the number is divided by _____ the answer is number itself.

   a. Zero   b. **One**   c. two   d. itself

Q-2 Fill in the blanks.

1. The diameter of a circle is **two** times its radius.

2. A **circle** is a simple closed curved shape.⅓⅓

3. The diameter of a circle is the **longest** chord of the circle**.**

4. The line segment joining the center of the circle to any point on the circle is called **radius .**

5. **Radii** of a circle are of equal lengths.

6. Radius = **Diameter** /2.

7. Diameter = **Radius** $\times 2$

8. **Circumference** is the total length of the boundary of the circle.

9. In $\frac{6}{9}$; **6** is the numerator and **9** is the denominator.

10. **1 / 4** is the fraction of given shaded part

11. $\frac{2}{3} + \frac{1}{3} =$ **3/3**

12. $\frac{5}{12} + \frac{7}{12} =$ **12/12**

13. Krishna bought 5 apples out of which 2 are bad. **3/5** fraction of apple are good .

14. The shape that is shaded is written **5/9** in fraction.

15. ☆ ☺ ☺ ☆ ☺ ☺ ☆

16. 2345, 2346, 2347, 2348, 2349, 2350.

17. JKL, NOP, RST, VWX, **ZAB**

18. ♥ ♣ ♠ ♦ ♥

19. △ △△ △△△ △△△△

20. 11 × **7** = 77

21. 35 ÷ 7 = **5**

22. After dividing a number, the leftover is called **remainder.**

23. **Divisor** is the number that we are dividing by.

24.Zero divided by any number (except zero) gives **Zero.**

25.72 ÷**6** = 12

26. 185 ÷2, Quotient = 92 , Remainder = 1 ,Dividend = **185** , Divisor = 2

27. 144 ÷12, Quotient = 12 , Remainder = 0 ,Dividend = 144 , Divisor = **12**

28. 235 ÷4, Quotient = **58** , Remainder = 3 ,Dividend = 235 , Divisor = 4

29. The cost of 1 kg apples is 60 ₹, then the cost of 3 kg apples is **180**

30. Your body weight is 25 **kg .**

31.Weight of a soap is 125 **g**

32. Weight of sack of wheat 50 **kg .**

33.weight of the eraser is 10 **g**

34. 1 kilogram = **1000** Gram

35. The measurement of length and breadth is needed to calculate the area of **rectangle.**

36.Perimeter of square = **4 × ℓ**

37. Perimeter of rectangle = 2(ℓ + b)

38. 50 m = **5000** cm

39. 2000 cm = **2** m

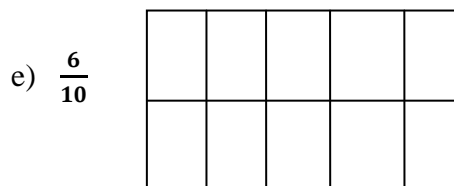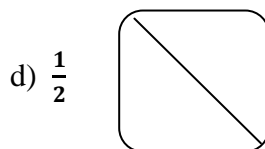40. 1 quintal = **100** kg.

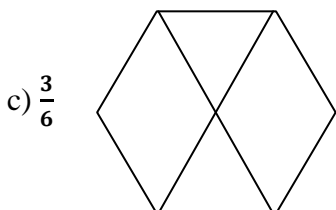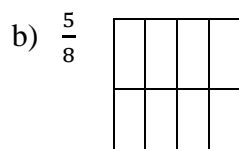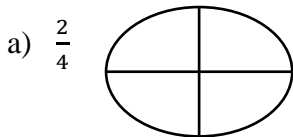41. 1 gram = **1000** milligram.

42. 1 ton = **1000** kg.

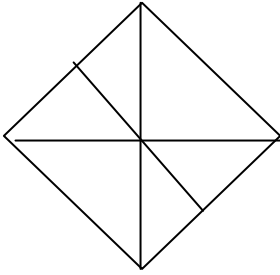43. The length of the boundary surrounded a shape is called **perimeter.**

44**.** The region enclosed between the boundaries of a figure is called **area.**

45. Area of square = **ℓ × ℓ**

Q-3 Shade the given fraction.

a) $\frac{2}{4}$ b) $\frac{5}{8}$

c) $\frac{3}{6}$ d) $\frac{1}{2}$ e) $\frac{6}{10}$

f) $\frac{4}{6}$

Q - 4 Find the value of the following fraction.

a) $\frac{7}{5} + \frac{9}{5} =$ _____

b) $\frac{11}{2} - \frac{5}{2} =$ _____

c) $\frac{8}{10} - \frac{3}{10} =$ _____

d) $\frac{1}{12} + \frac{5}{12} =$ _____

e) $\frac{6}{12} - \frac{3}{12} =$ _____

f) $\frac{5}{6} + \frac{7}{6} =$ _____

f) $\frac{12}{9} + \frac{4}{9} =$ _____

g) $\frac{15}{2} - \frac{5}{2} =$ _____

h) $\frac{7}{4} - \frac{4}{4} =$ _____

i) $\frac{8}{7} + \frac{5}{7} =$ _____

j) $\frac{1}{2} + \frac{3}{2} =$ _____

k) $\frac{6}{8} - \frac{4}{8} =$ _____

l) $\frac{4}{2} - \frac{3}{2} =$ _____

m) $\frac{6}{14} + \frac{5}{14} =$ _____

Q- 5 Do as directed.

a) Define

1. Radius :- **The line segment joining the centre of the circle to any point on the circle is called the radius of the circle.**

2. Diameter :- **The longest chord which pass through the centre is called diameter. The distance from one point on a circle through the center to another point on the circle.**

3. Circumferences:- **The total length of the boundary of the circle is called circumference of the circle.**

4. Circle :- **A circle is a round shaped figure that has no corners or edges. A circle is a closed curve.**

5. Chord:- **A chord is a line segment joining any two points on the circle.**

6. Area :- **Area is the region enclosed between the boundaries of a figure.**

7. Perimeter :- **The length of the boundary surrounded a shape is called perimeter.**

b) Find the perimeter of square or rectangle.

a) 18m b) 12cm c) 10 m d) 7 cm   (e)16 cm(f) 9 cm (g) 4 cm (h) 6 cm (i) 17 cm (j) 8 cm

(a) length = 22m , breadth = 14m   (e) length = 16m , breadth = 8m   (i) length = 10cm , breadth = 20cm

(b) length = 6 cm , breadth = 5 cm (f) length = 17m, breadth = 13 m (j) length = 13cm , breadth = 5cm

c) Addition

  A) 65kg 85g and 35 kg 25 g
  B) 91kg 750g and 20kg 350 g
  C) 42 kg 250 g and 33 kg 330 g
  D) 64 kg 750g and 92 kg 120 g
  E) 142 kg 50 g and 35 kg 25 g
  F) 91kg 750g ,2 kg 350 g and 132 kg 230 g

d) Subtraction

  A) 2 kg from 11 kg
  B) 6 kg 250 g from 96 kg 500 g
  C) 58 kg 750 g from 332 kg
  D) 9 kg from 56 kg 255 g
  E) 123 kg 32g from 300 kg 40 g
  F) 90 kg 250 g from 200 kg 375 g

section - c

Q-6 Solve the followings.

a) Division :- a) $72 \div 4$ b) $428 \div 2$ c) $903 \div 6$ d) $235 \div 2$ e) $144 \div 12$ f) $609 \div 19$ g) $572 \div 15$
          h) $136 \div 4$ i) $18 \div 8$ j) $42 \div 7$

b)Multiplication :- a) 82×12 b) 100×3 c) 27×16 d) 275×28 e) 784×80 f) 45×3

c) Find the area of square or rectangle.

  a)7cm b) 6 cm   c) 12cm d) 4 cm   e) 20 cm   f) 8 cm
  g) Length = 17 m , Breadth = 10 m h) Length = 12m , Breadth = 2m   i)Length = 7 m, Breadth = 5m
  j) Length = 13m , Breadth = 18m

d) Draw a circle of given radius using compass.

  a) 4 cm b) 3.5 cm c) 2 cm d) 7 cm e) 2.5 cm e) 5 cm f) 6 cm

e) A) Find out from friends the programme they like and dislike, and write in a table.

Kind of Programme	Number of children liking it	Number of children disliking it
News	3	17
Serials	5	15
Cartoons	19	1
Comedy	14	6
Sports	18	2

(a) How many children like sports programme?

(b) Which kind of programme is liked by most children?

(c) Which kind of programme is disliked by the least number of children?

B) Look at the table and write the answer.

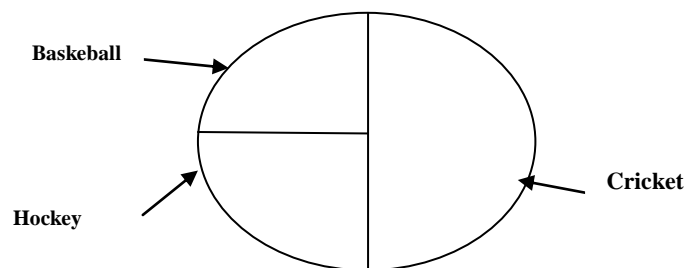| Main food	Number of persons
Rice	15
Wheat	20
Maize	10
Barely	5
Ragi	8

a) How many persons eat wheat as a main food ?
b) Which is least food contain used as in main food in given number of person?
c) how many persons have rice in main food ?

C) The table given below shows the number of toys sold during the days of a week from a toy shop.

Days	Number of toys
Sunday	5
Monday	7
Tuesday	4
Wednesday	9
Thursday	14
Friday	7
Saturday	20

a) What is the total number of toys sold in the week ?
b) On which day minimum number of toys were sold ?
c) How many toys sold on Wednesday ?

D) Abhinav made a chapati chart after asking his friends about the sport they like to play.

a)How many children like to play cricket?

b)How many children like to play basketball ?

c) $\frac{1}{2}$ is the part of which game that children like to play ?

f) Solve the problems.

1. There are 60 blocks and $\frac{3}{4}$ are green in colour. How many blocks are not green?

2. Ajay buy 4 bunches of bananas. There are 8 bananas in each bunch. How many bananas does Ajay buy altogether ?

3.One carton can hold 85 chocolates bars. Shalini wants to pack 510 chocolates bars. How many cartons does she need for packing all of them ?

4. The cost of two burger is ₹ 70. Find the cost of 10 burgers.

5. Aman wants 15 sack of cement for making her house. If the cost of 4 sacks of cement is rs 3200, then find the cost of all sacks cements.

6. A square park has side 120 m long. How much wire will be required for fencing?

7. Out of 36 people in aline for ice cream , one-quarter want vanilla. How many people want vanilla ice-cream?

8. Garima bought 8 boxes of eraser. Each box had 30 erasers. How many erasers did she buy ?

9. A grocer 48 kg 425 g of sugar in his stock. He sold 32 kg 750 g of it. How much sugar is left with him ?

10. Preeti bought 3 gold coins. The weight of these 3 coins are 300 g, 750 g and 700 g. how much gold did she buy ?

11. Rishi bought 4 kg 270 g of flour and 3 kg 550 g of rice. What is the total weight he has to carry ?

12. Anita counted 12 students in the choir. Three- quarter of the students have brown hair, how many students in the choir have brown hair ?

13. Find the length of rope required to fence a kitchen garden whose length is 4 m and breadth 2 m.

14. Find out length wire needed to put a boundary round a square park whose length is 13 m

15. A blanket 4 m long and 2 m broad is to be stitched with red ribbon around the edge. How much ribbon is needed?

16. Find the area of rectangular garden. The garden is 70 m long and 50 m wide.

17. A square wall is to be painted. Its side is 200 cm. Find the area to be painted.