



S A – II [2019-20]

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 $\frac{3}{8}$, _____ 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

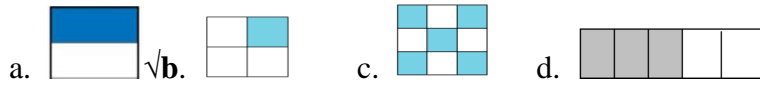
10. Quarter means 1 part out of _____

- a. 2 **b. 4** c. 0 d. 3

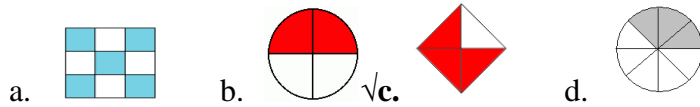
11. Choose the figure which shows $\frac{2}{8}$ shaded part



12. Choose the figure which shows $\frac{1}{2}$ shaded part



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



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

12, 10, 8, 6, 4, _____

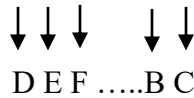
- a. 1 b. **2** c. 3 d. 0

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



- 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

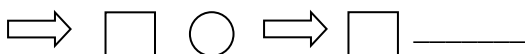
- a. 32 b. 26 c. 21 d. **24**

20. Complete the pattern.



AB ABB ABBB _____

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

21. Complete the pattern.

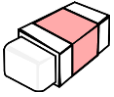


a. \Rightarrow b. \square c. $\sqrt{\circ}$

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. $35 \div 8$ 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. $60 \div 40$ 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. **$530 \div 10$** 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. $\frac{1}{3} \frac{1}{3}$

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

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

13. Krishna bought 2 apples out of which 5 are bad. **2/5** 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. \triangle $\triangle\triangle$ $\triangle\triangle\triangle$ $\triangle\triangle\triangle\triangle$

20. $11 \times 7 = 77$

21. $35 \div 7 = 5$

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. $72 \div 6 = 12$

26. $185 \div 2$, Quotient = 92 , Remainder = 1 , Dividend = **185** , Divisor = 2

27. $144 \div 12$, Quotient = 12 , Remainder = 0 , Dividend = 144 , Divisor = **12**

28. $235 \div 4$, 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. Area of square = **$l \times l$**

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.

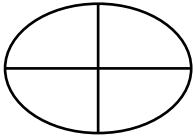
43. The length of the boundary surrounded a shape is called **perimeter**.

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

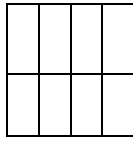
45. Area of square = $\ell \times \ell$

Q-3 Shade the given fraction.

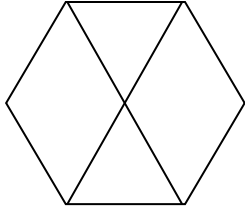
a) $\frac{2}{4}$



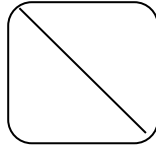
b) $\frac{5}{8}$



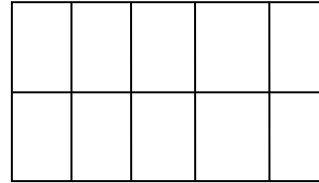
c) $\frac{3}{6}$



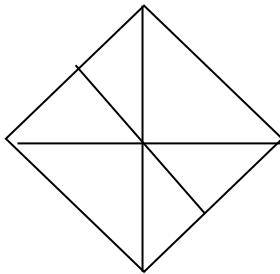
d) $\frac{1}{2}$



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 2. Diameter 3. Circumferences 4. Circle 5. Chord 6. Area 7. Perimeter

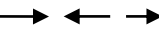
b) Complete the pattern.


1. 5214, 5224, 5234, _____, _____, _____, _____

2. ABC,DEF,GHI, _____, _____, _____, _____

3.  _____, _____, _____, _____

4. 31G, 30F, 29E, _____, _____, _____, _____


5.  _____, _____, _____, _____

6.  _____, _____, _____, _____

7.  _____, _____, _____, _____

8.  _____, _____, _____, _____

9. 4120,5120,6120, _____, _____, _____, _____

10.  _____, _____, _____, _____

c) Find the perimeter of square.

- 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 (k) 5 cm
- (l) 15 cm

d) Find the perimeter of rectangle.

- (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) length = 5 m , breadth = 32 m (g) length = 7 cm , breadth = 5 cm (k) length = 22cm ,breadth = 14cm
- (d) length = 9 m , breadth = 7 m (h) length = 12 cm , breadth = 20 cm (l) length = 4m , breadth = 6m

e) 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
- G) 400kg 500g and 70kg 12g
- H) 58kg 407g and 200kg 700g
- I) 136 kg 431 g and 214 kg 60 g
- J) 45 kg 241 g , 32 kg 113 g and 321 kg 773 g

f) 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
- G) 648 kg 213 g from 849 kg 300 g
- H) 38 kg 250 g from 45 kg 500 g
- I) 783 kg 524 g from 917 kg 60 g
- J) 68 kg 100 g from 87 kg 600 g

SECTION – C

Q-6 Solve the followings.

a) **Divide and check :-** 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) $142 \div 7$ j) $18 \div 8$ k) $42 \div 7$ l) $576 \div 6$

b) **Find the area of square or area of 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 k) Length = 15m , Breadth = 11m
l) Length = 30m , Breadth = 20m

c) **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

d) 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

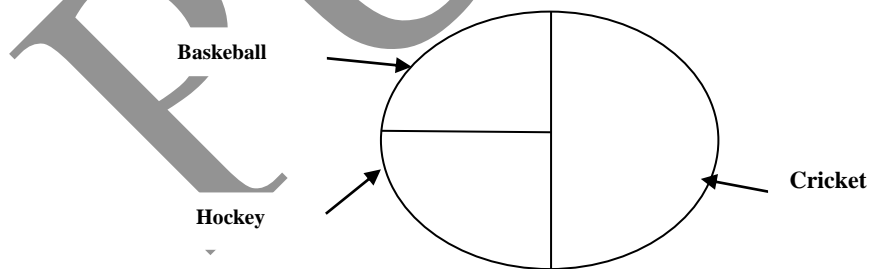
- a) How many persons eat wheat as a main food ?
 b) Which is least food contain used as in main food in given number of person?
 c) how many persons have rice in main food ?

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 ?

g) 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. For function ₹ 250 was collected from each flat of a complex the total money collected was ₹78000 how many flats are there in the complex?
4. 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 ?
5. The cost of two burger is ₹ 70. Find the cost of 10 burgers.
6. 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.
7. A square park has side 120 m long. How much wire will be required for fencing around it three times?
8. Out of 36 people in a line for ice cream , one-quarter want vanilla. How many people want vanilla ice-cream?
9. A cricket stadium has 450 rows with 100 seats in each row. How many seats are there in the stadium?
10. Garima bought 8 boxes of eraser. Each box had 30 erasers. How many erasers did she buy ?
11. 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 ?
12. 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 ?
13. Rishi bought 4 kg 270 g of flour and 3 kg 550 g of rice. What is the total weight he has to carry ?
14. Rakesh sells 4 ladoos at the rate of ₹20. If he wants to earn ₹ 500, then how many ladoos he has to sell ?
15. Anita counted 12 students in the choir. Three- quarter of the students have brown hair, how many students in the choir have brown hair ?