SUMMATIVE ASSIGNMENT - II (2022-23)	
Grade – 4	Subject- Maths
Syllabus – Ch - 8, 9, 11, 12, 13 and 14	FROM TEXT BOOK

Section - A

Q1. Multiple choice questions -

1. The total length of the boundary of the circle is its?
   a. Chord   b. Square   c. Diameter   d. **Circumference**

2. All line segments drawn from the center of a circle to a point on the circle, are called_____
   a. Chord   b. Center   c. Diameter   d**. Radius**

3. After dividing a number, the leftover is called _____.
   a. **Remainder**   b. Quotient   c. Dividend   d. Divisor

4. $25 \div 5$ Quotient = _____.
   a. 3   b. 2   c. **5**   d. 6

5. _____ of a circle are of equal lengths.
   a. **Radii**   b. Chord   c. Centre   d. Circumference

6. $11 \times$ _____ = 77.
   a. 9   b. 6   c. 10   d. **7**

7. 1 kilogram = _____ gram.
   a. 100   b. 10   c. **1000**   d. 10000

8. Radius = _____ / 2.
   a. **Diameter**   b. Radius   c. Chord   d. Fixed point

9. 14 x 20 = _____.
   a. 120   b. **280**   c. 200   d. 820

10. 126 x _____ = 12600.
    a. 10   b. 1   c. 1000   d. **100**

11. The weight of an apple will be
    a. 15kg   b. 1500kg   c. **150g**   d. 1500g

12. Three quarter means _____.
    a. 2/4   b. 3/2   c. **¾**   d. ¼

13. The weight of a Candy will be
    a. **25g**   b. 250kg   c. 2500g   d. 25000g

14. Half means 1 part out of _____
    a. **2**   b. 0   c.1   d. 3

15. Which of the following is heavier? A mobile or bike.
    a. mobile   b. **bike**   c. both   d. None

16. Formula of Area of a rectangle = _____.
    a. l x l   b. 4 x l   c. **l x b**   d. 2(l + b)

17. How many 5 rupees coins are there in ₹1650?
    a. 320   b. **330**   c. 340   d. 350

18. Each diameter is formed of two _____.
    a. **Radii**   b. Diameter   c. Chord   d. Circumference

19. In $\frac{3}{8}$, _____is the numerator.
    a. 4   b. 2   c. 8   d. **3**

20. In $\frac{6}{9}$, _____ is the denominator.

    a. **9**   b. 6   c. 7   d. 15

21. 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**

22. A circle is formed by a
    a. Straight line   b **Curved line**   c zig-zig line   d. None of these

23. 3 kg 150g = _____g.
    a. 30150g   b. 3050g   c. **3150g**   d. 31500g

24. 10 kg = _____g.
    a. **10000g**   b. 1000g   c. 100000g   d. 10g

25. The length of the boundary surrounded a shape is called _____
    a. Area   b. Circle   c. **Perimeter**   d. triangle

Section – B

Q2. Subtraction of like fractions -

a) $\frac{2}{5} - \frac{1}{5}$

$$= \frac{2-1}{5}$$

$$= \frac{1}{5}$$

b) $\frac{3}{6} - \frac{1}{6} =$

$$= \frac{3-1}{6}$$

$$= \frac{2}{6}$$

c) $\frac{7}{11} - \frac{5}{11} = \frac{7-5}{11} = \frac{2}{11}$

d) $\frac{7}{12} - \frac{1}{12} = \frac{7-1}{12} = \frac{6}{12}$

e) $\frac{9}{10} - \frac{4}{10} = \frac{9-4}{10} = \frac{5}{10}$

f) $\frac{2}{4} - \frac{1}{4} =$

g) $\frac{3}{3} - \frac{2}{3} =$

h) $\frac{4}{5} - \frac{3}{5} =$

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Q3. Define:-

a) **Perimeter** – The total length of all the line segments of a closed figure is called its perimeter.

b) **Area** – The region enclosed between boundaries of a figure.

c) **Circle** -A circle is a round shaped figure that has no corners or edges.

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

e) **Diameter** - The longest chord which pass through the centre is called diameter.

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

g) **Centre** - The fixed point is called the centre of the circle.

h) **Fraction:** A fraction is a small part or proportion of something.

i) **Numerator** - Number written above the line in a fraction is called numerator.

j) **Denominator** - Number written below the line in a fraction is called denominator.

Q4. Convert Kilograms into grams -

a) **33kg 450g** = 33 kg x 1000 + 450 g
= 33000 g + 450 g
= 33450 g

b) **54kg 230g** = 54 kg x 1000 + 230 g
= 54000 g + 230 g
= 54230 g

c) **11kg 220g** = 11 kg x 1000 + 220 g
= 11000 g + 220 g
= 11220 g

d) **17kg 110g** = 17 kg x 1000 + 110 g
= 17000 g + 110 g
= 17110 g

e) **28kg 100g** =
f) **19kg 263g** =
g) **16kg 173g** =

Q5. Find the perimeter -

1) **Side = 26 cm**

Solve - Perimeter of square = 4 × side

= 4 x 26 cm
= 104 cm

2) Side = 55 cm

Solve - Perimeter of square = $4 \times$ side

$\qquad\qquad$ = 4 x 55 cm

$\qquad\qquad$ = 220 cm

3) Side = 11 cm

Solve - Perimeter of square = $4 \times$ side

$\qquad\qquad$ = 4 x 11 cm

$\qquad\qquad$ = 44 cm

4) Length =10 cm and Breadth = 5 cm

Solve - Perimeter of rectangle = 2 (L + B)

$\qquad\qquad$ = 2 (10cm + 5cm)

$\qquad\qquad$ = 2 $\times$ 15cm

$\qquad\qquad$ = 30cm.

5) Length = 17 m and breadth = 13 m

Solve - Perimeter of rectangle = 2 (L + B)

$\qquad\qquad$ = 2 (17 cm + 13 cm)

$\qquad\qquad$ = 2 $\times$ 30 cm

$\qquad\qquad$ = 60 cm.

6) Length = 15 cm , breadth = 5 cm

Solve - Perimeter of rectangle = 2 (L + B)

$\qquad\qquad$ = 2 (15 cm + 5 cm)

$\qquad\qquad$ = 2 $\times$ 20 cm

$\qquad\qquad$ = 40 cm.

7) Length = 22 m , breadth =14 m

Solve - Perimeter of rectangle = 2 (L + B)

$\qquad\qquad$ = 2 (22 cm + 14 cm)
$\qquad\qquad$ = 2 $\times$ 36 cm
$\qquad\qquad$ = 72 cm.

8) Side = 19 m
9) Side = 10 m
10) Length = 12 m ,breadth = 8 m
11) Length = 16 m ,breadth = 7 m

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Q6. Division sums –

1) $28 \div 2$

```
        1 4
    2 ) 2 8
      - 2
      -----
        0 8
       - 8
      -----
        0 0
```

2) $66 \div 6$

```
        1 1
    6 ) 6 6
      - 6
      -----
        0 6
       - 6
      -----
        0 0
```

3) $96 \div 8$

```
        1 2
    8 ) 9 6
      - 8
      -----
        1 6
      -1 6
      -----
        0 0
```

4) $323 \div 19$

```
          1 7
    19 ) 3 2 3
       - 1 9
       -------
         1 3 3
       - 1 3 3
       -------
         0 0 0
```

5) $110 \div 10$

```
          1 1
    10 ) 1 1 0
       - 1 0
       -------
         1 0
       - 1 0
       -------
         0 0
```

6) $238 \div 8$ 9) $260 \div 20$
7) $238 \div 14$ 10) $276 \div 12$
8) $352 \div 16$ 11) $198 \div 18$

Q7. Find the area -
1) **Side = 10 m**

Solve – Area of square = Side x Side

$= 10 \text{ m x } 10 \text{ m}$

$= 100 \text{ sq. m}$

2) **Side = 15 cm**

Solve – Area of square = Side x Side

$= 15 \text{ cm x } 15 \text{ cm}$
$= 225 \text{ sq. cm}$

3) **Side = 16 m**

Solve – Area of square = Side x Side

$= 16 \text{ m x } 16 \text{ m}$
$= 256 \text{ sq. m}$

4) **Side = 50 m**

Solve – Area of square = Side x Side

$= 50 \text{ m x } 50 \text{ m}$
$= 2500 \text{ sq. m}$

5) **Length = 12 cm, Breadth = 6 cm**

Solve – Area of rectangle $= l \times b$

$= 12 \text{ cm x } 6 \text{ cm}$

$= 72 \text{ sq.cm}$

6) **Length = 20 cm, Breadth = 11 cm**

Solve – Area of rectangle $= l \times b$

$= 20 \text{ cm x } 11 \text{ cm}$

$= 220 \text{ sq.cm}$

7) **Length = 18 m, Breadth = 13 m**

Solve – Area of rectangle $= l \times b$

$= 18 \text{ m x } 13 \text{ m}$

$= 234 \text{ sq.m}$

8) Length = 22 m , breadth = 19 m

Solve – Area of rectangle $= l \times b$

$\qquad\qquad\qquad = 22$ m x 19 m

$\qquad\qquad\qquad = 418$ sq.m

9) Side = 12 m
10) Side = 30 cm
11) Length = 17 m , breadth = 9 m
12) Length = 21 cm , breadth = 10 cm

Section – C

Q8. Word problems-

1) **There are 60 blocks and $\frac{3}{4}$ of them are green in colour. How many blocks are green?**

Solve - Total blocks = 60

$\qquad$ ¾ of them are green $= 60 \times \frac{3}{4}$

$\qquad\qquad\qquad\qquad = 15 \times 3$

$\qquad\qquad\qquad\qquad = 45$

$\qquad$ Blocks are green = 45

2) **Anita counted 12 students in the choir. Three quarters of the students have brown hair. How many students in the choir have brown hair?**

Solve -Total students = 12

$\qquad$ Three quarter $= \frac{3}{4}$

$\qquad$ Three quarter of students have brown hair $= 12 \times \frac{3}{4}$

$\qquad\qquad\qquad\qquad\qquad\qquad = 3 \times 3$

$\qquad\qquad\qquad\qquad\qquad\qquad = 9$

$\qquad$ 9 students have brown.

3) **Find the length of rope required to fence a kitchen garden whose length is 4 m and breadth 2 m?**

Solve - Here, Length = 4 m

$\qquad$ Breadth = 2 m
$\qquad$ Perimeter of a rectangle $= 2(L + B)$
$\qquad\qquad\qquad\qquad = 2(4$ m $+ 2$ m$)$
$\qquad\qquad\qquad\qquad = 2 \times 6$ m
$\qquad\qquad\qquad\qquad = 12$ m
$\qquad$ The length of rope required to fence a kitchen is 12m.

4) **Find out length wire needed to put a boundary around a square park. One side of the park is 55 m?**

Solve - Here, Side of a square park is = 55 m.

Perimeter of a square = 4 × side

$$= 4 \times 55 \text{ m}$$
$$= 220 \text{ m}$$

The total 220 m wire is needed to put a boundary.

5) **A blanket 5 m long and 3 m broad is to be stitched with red ribbon around the edge. How much ribbon is needed?**

Solve - Here, Length = 5 m

Breadth = 3 m
Perimeter of rectangle blanket = 2(l + b)
$$= 2(5 \text{ m} + 3 \text{ m})$$
$$= 2 \times 8 \text{ m}$$
$$= 16 \text{ m}$$
16 m ribbon is needed to stitch the blanket edges.

6) **Find the area of rectangular garden. The garden is 70 m long and 50 m wide.**

Solve - Here, Length = 70 m

Breadth = 50 m

Area of rectangular garden = l × b

$$= 70 \text{ m x } 50 \text{ m}$$
$$= 3500 \text{ sq.m}$$
Total area of rectangular garden is 3500 sq. m.

7) **There are 18 packets of Rakhi. Each packet has 6 Rakhi's in it. How many total Rakhis are altogether?**

Solve - No. of packets of rakhi = 18
No. of rakhi's in one packet = 6

Total rakhis in all = 18 × 6

$$= 108$$

Total 108 rakhis are altogether in boxes.

8) **There are 10 packets of sugar. Saurabh paid 11 rupees for one packet. How much money he need to pay for 10 packets of Sugar?**

Solve - No. of packets of sugar = 10
Cost of one packet = Rs 11

Total cost of 10 packets of sugar = 10 × 11

$$= \text{Rs } 110$$

Total 110 rupees need to pay for 10 packets of Sugar.

8

9) **Manu purchased 5 kg 300 g of a packet of rice and 4 kg 200 g of a packet of wheat flour. How much is the total weight of both the packets?**

Solve: Weight of rice = 5kg 300g

Weight of wheat flour = 4kg 200g

Total weight of both the packets = 5kg 300g + 4kg 200g

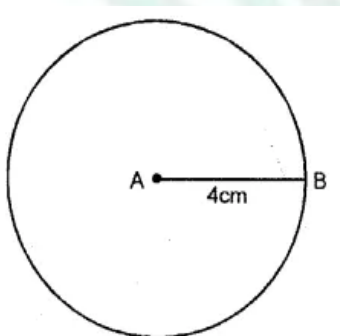| kg	g
5	3 0 0
+ 4	2 0 0
9	5 0 0

Total weight of both the packets is 9 kg 500g.

10) Out of 36 people in a line for ice cream, one-quarter want vanilla. How many people want vanilla Ice - cream? (Hw)

_____

_____

_____

11) Rita bought 25 kg 630g of cherries. From that she used 22 kg 700g of cherries. How much cherries left with her? (Hw)

_____

_____

_____

Q10. Using rounder draw a circle of the given radius -

a) 4 cm

b) 3 cm   f) 5 cm
c) 5.5 cm   g) 2 cm
d) 4.5 cm   h) 3.5 cm
e) 2.5 cm   i) 1.5 cm