

Name : Aditya

Marks : 60

Section : V - A

Duration : 2 hours

Answer the following questions.

$12 \times 5 = 60$

I. Choose the correct answer.

$(5 \times 1 = 5)$

(i) 16 1 3 11 5 20 – The word these numbers represent is pocket

- (a) PACKET b) POCKET c) PACKER d) PACKED

(ii) COOKER – The number this word represents is 3 15 15 11 5 18

- a) 3 15 15 11 5 19 b) 3 14 14 11 5 18
 (c) 3 15 15 11 5 18 c) 3 15 15 11 6 18

(iii) If TEST = 64 then BEST = 46

- (a) 46 b) 47 c) 48 d) 45

(iv) If GRATER = 7 18 1 20 5 18 then PEELER = 16 5 5 12 5 18

- a) 16 5 6 12 5 18 b) 16 5 5 13 5 18
 c) 16 5 5 12 5 19 (d) 16 5 5 12 5 18

(v) Choose the correct one cat = 24

- a) MAT = 24 b) BAT = 24 c) FAT = 24 (d) CAT = 24

2. Fill in the blanks.

$(5 \times 1 = 5)$

- (i) 9 l 300 ml = 9300 ml
 (ii) 8000 ml = 8 l
 (iii) 2500 ml = 2 l 500 ml
 (iv) 4100 ml = 4 l 100 ml
 (v) 7 l 700 ml = 7700 ml

3. Write True or False.

$(5 \times 1 = 5)$

(i) $\frac{4}{5} < \frac{2}{5}$ False(ii) $\frac{2}{6}, \frac{4}{6}, \frac{1}{6}$ On arranging these fractions in the ascending order, we get $\frac{1}{6}, \frac{2}{6}, \frac{4}{6}$ True(iii) $\frac{1}{10}, \frac{9}{10}, \frac{4}{10}, \frac{7}{10}$ On arranging these fractions in the descending order, we get $\frac{1}{10}, \frac{4}{10}, \frac{7}{10}, \frac{9}{10}$ False(iv) $\frac{6}{8}, \frac{5}{8}, \frac{2}{8}$ The largest fraction among these is $\frac{5}{8}$ False(v) $\frac{7}{11} > \frac{1}{11}$ True

4. Match the following.

(5 × 1 = 5)

(i)		-	₹305
(ii)		-	₹303
(iii)		-	₹605
(iv)		-	₹310
(v)		-	₹600

5. Find the perimeter.

(5)

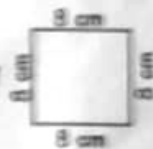
(i) Write the formula used to find the perimeter of a rectangle.

(1)

$$2 \times \text{length} + 2 \times \text{breadth}$$

(ii) Find the perimeter of

(2)



$$4 \times \text{length of one side}$$

$$8 \times 4$$

$$32 \text{ cm}$$

(iii) Iniya walks around a playground of length 90m and breadth 80m. How much distance will she walk in one complete round?

(2)

$$\begin{array}{r}
 90\text{m} \\
 80\text{m} \\
 90\text{m} \\
 80\text{m} \\
 \hline
 340\text{m}
 \end{array}$$

Answer: 340 m

6. Read the paragraph and answer the questions.

(5)

The fraction of guavas a fruit seller had in three baskets is as follows:

First basket $\frac{5}{19}$

Second basket $\frac{6}{19}$

Third basket $\frac{8}{19}$

(i) The number of guavas the fruit seller had is $\frac{19}{19}$ guavas

(1)

(II) The fraction that represents the sum of the guavas in the first and the third baskets is

$$\frac{13}{19}$$

(2)

(III) The fraction that represents the number of guavas that is more in the third basket than that in the second basket is

$$\frac{2}{19}$$

(2)

7. Divide.

(I) $9000 \div 3$

$$\begin{array}{r} 3000 \\ 3 \overline{) 9000} \\ \underline{9} \\ 0 \\ \underline{0} \\ 0 \\ \underline{0} \\ 0 \end{array}$$

(II) $8888 \div 8$

$$\begin{array}{r} 1111 \\ 8 \overline{) 8888} \\ \underline{8} \\ 0 \\ \underline{0} \\ 8 \\ \underline{8} \\ 0 \\ \underline{0} \\ 8 \\ \underline{8} \\ 0 \end{array}$$

(III) $6426 \div 6$

$$\begin{array}{r} 1071 \\ 6 \overline{) 6426} \\ \underline{6} \\ 0 \\ \underline{0} \\ 4 \\ \underline{0} \\ 2 \\ \underline{0} \\ 6 \\ \underline{6} \\ 0 \end{array}$$

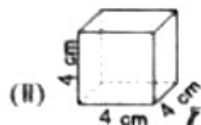
(1 + 2 + 2)

8. Find the volume.

(I) The volume of a cuboid = $l \times b \times h$ cubic units.

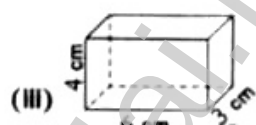
(5)

(1)



Volume = $l \times b \times h$

$$4 \times 4 \times 4 = 64 \text{ cm}^3$$



Volume = $l \times b \times h$

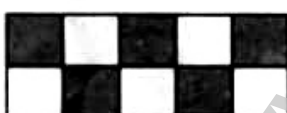
$$4 \times 6 \times 3 = 72 \text{ cm}^3$$

(2 + 2)

$$\begin{array}{r} 24 \\ \times 3 \\ \hline 72 \end{array}$$

9. Observe the note given and fill in the table.

(5 × 1 = 5)

Note	Fraction	Decimal
$\frac{6}{10} + \frac{3}{10}$	$\frac{9}{10}$	0.9
Nine point seven	$\frac{97}{100}$	0.97
	$\frac{5}{10}$	0.5
$\frac{8}{10} - \frac{6}{10}$	$\frac{2}{10}$	0.2
Twenty point four	$\frac{204}{1000}$	0.204

10. Answer the following.

(5)

$$\begin{array}{r} 32,000 \\ 29,500 \\ \hline 61,500 \end{array}$$



₹32,000



₹37,000



₹29,500

$$\begin{array}{r} 32,000 \\ 37,000 \\ \hline 69,000 \end{array}$$

(i) What are the items Kaya can buy if she has ₹62,000?

(1)

$$\begin{array}{r} 32,000 \\ 29,500 \\ \hline 61,500 \end{array}$$

Television and washing machine

$$\begin{array}{r} 37,000 \\ 29,500 \\ \hline 66,500 \end{array}$$

(II) How much more does the refrigerator cost than the washing machine?

(2)

$$\begin{array}{r} 215\ 10 \\ 27,000 \\ 29,500 \\ \hline 07,500 \end{array}$$

Ans: 07,500

(III) There are 8 rooms in Mani's lodging house. If Mani wants to buy a television for each room, how much money will he need?

(2)

$$\begin{array}{r} 32,000 \\ \times \quad 8 \\ \hline 256,000 \end{array}$$

Answer: 256,000

11. Find the LCM and convert to like fractions.

(5)

(i) The LCM of 4 and 3 is = 12

(1)

$$(ii) \frac{1}{4} \cdot \frac{2}{3} = \frac{1 \times 2}{4 \times 3} = \frac{2}{12}$$

$$(iii) \frac{3}{4} \cdot \frac{1}{3} = \frac{3 \times 1}{4 \times 3} = \frac{3}{12}$$

(2 + 2)

$$\begin{array}{r} 2 \overline{) 4} \quad 3 \overline{) 3} \\ 2 \overline{) 2} \quad 1 \\ \hline 1 \end{array}$$

$$\frac{2 \times 4}{3 \times 4} = \frac{8}{12}$$

$$\frac{1 \times 4}{3 \times 4} = \frac{4}{12}$$

$$\text{L.C.M of } 4, 3 = 2 \times 2 \times 3 \times 1 = 12$$

$$4 = 2 \times 2 \times 1$$

$$3 = 3 \times 1$$

12. Find the area.

(5)

(i) The area of a square with a side length of 2 m = 8 sq.m.

(1)

(ii) Find the area of a Kho-Kho field with a length of 25 m and a breadth of 16 m.

(2)

$$\begin{array}{r} 10,000 \times 16 \\ 60,000 \\ 100,000 \\ \hline 160,000 \end{array}$$



$$(l \times b)$$

$$25\text{m} \times 16\text{m} = 25\text{m} \times 16\text{m}$$

$$\begin{array}{r} 25 \times 16 \\ 150 \\ 250 \\ \hline 400 \end{array}$$

$$\begin{array}{r} 400 \times 25 \\ 2000 \\ 8000 \\ \hline 10,000 \end{array}$$

Ans: 82m Ans: 400

(iii) A wall of length 15 m and breadth 3 m is to be painted. If the labour cost for painting 1 sq.m is ₹30, what would be the total labour cost for painting the wall?

(2)



$$(l \times b)$$

$$1 \text{ sq.m} = ₹30$$

$$\therefore 36 \text{ sq.m} = 1080 \text{m}$$

$$\begin{array}{r} 30 \times 36 \\ 180 \\ 900 \\ \hline 1080 \end{array}$$