

**EXERCISE****OBJECTIVE TYPE**

- Q.1** Four pizzas are to be equally shared among 5 children. What is each child's share ?  
(A)  $\frac{5}{4}$  (B)  $\frac{1}{4}$  (C)  $\frac{1}{5}$  (D)  $\frac{4}{5}$
- Q.2** What fraction of numbers from 1 to 15 are prime numbers.  
(A)  $\frac{8}{15}$  (B)  $\frac{7}{15}$  (C)  $\frac{6}{15}$  (D)  $\frac{9}{15}$
- Q.3** Which denominator makes the fraction  $\frac{2}{9}$  and  $\frac{6}{\square}$  equivalent ?  
(A) 27 (B) 3 (C) 54 (D) 81
- Q.4** which pair of fractions are equivalent ?  
(A)  $\frac{9}{15}, \frac{3}{10}$  (B)  $\frac{3}{11}, \frac{15}{33}$  (C)  $\frac{14}{21}, \frac{12}{18}$  (D)  $\frac{2}{5}, \frac{6}{20}$
- Q.5**  $\frac{24}{60}$  reduced to its simplest form is :  
(A)  $\frac{12}{30}$  (B)  $\frac{6}{15}$  (C)  $\frac{3}{5}$  (D)  $\frac{2}{5}$
- Q.6** Reena has  $\frac{6}{8}$  of a chocolate bar and Sarika has  $\frac{3}{4}$  of an identical bar. Which of the following statements is true ?  
(A) Reena has more chocolate than Sarika.  
(B) Sarika has more chocolate than Reena.  
(C) Sarika has twice the amount of chocolate as Reena.  
(D) Reena has smaller pieces of chocolate, but the same amount as Sarika.
- Q.7** The length of Femur, the longest bone in the human body is  $\frac{101}{2}$  cm. Write this as a mixed number.  
(A)  $5\frac{1}{2}$  (B)  $2\frac{1}{500}$  (C)  $50\frac{1}{2}$  (D)  $100\frac{1}{2}$
- Q.8** Which operations are used to change a mixed number to an improper fraction ?  
(A) division and subtraction  
(B) multiplication and addition  
(C) multiplication and subtraction  
(D) division and addition .
- Q.9** Which of the following is the smallest fraction ?  
(A)  $\frac{3}{12}$  (B)  $\frac{5}{9}$  (C)  $\frac{1}{3}$  (D)  $\frac{4}{15}$

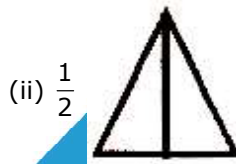
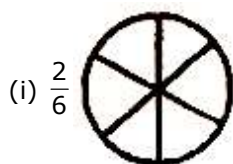
- Q.10** If one - third of a tank holds 80 litres of water, then the quantity of water that half of the tank holds is:
- (A)  $\frac{80}{3}$  litres      (B) 100 litres      (C) 120 litres      (D) 240 litres
- Q.11** The denominator of fraction  $\frac{9}{17}$  is ?
- (A) 9      (B) 17      (C) 3      (D) None of these
- Q.12** A fraction whose numerator is less than its denominator is called :
- (A) a proper fraction      (B) an improper fraction  
(C) a mixed fraction      (D) none of these
- Q.13**  $\frac{18}{5}$  can be expressed as :
- (A)  $3\frac{3}{5}$       (B)  $5\frac{3}{2}$       (C)  $3\frac{5}{3}$       (D)  $2\frac{3}{5}$
- Q.14** The equivalent fraction of  $\frac{5}{7}$  with numerator 25 is :
- (A)  $\frac{25}{35}$       (B)  $\frac{25}{7}$       (C)  $\frac{5}{35}$       (D) none of these
- Q.15** Fractions having equal denominators are called :
- (A) like fractions      (B) unit fractions      (C) proper fractions      (D) improper fractions
- Q.16** An improper fraction is always :
- (A)  $> 1$       (B)  $< 1$       (C)  $= 1$       (D) none of these
- Q.17** An improper fraction is always represent as :
- (A) proper fractions      (B) unit fractions      (C) like fractions      (D) mixed fraction
- Q.18**  $\frac{1}{5} + \frac{2}{5} + \frac{3}{5} + \frac{4}{5} = ?$
- (A) 2      (B) 1      (C) 5      (D) none of these
- Q.19** What fraction of an hour is 20 minute ?
- (A)  $\frac{1}{3}$       (B)  $\frac{1}{2}$       (C)  $\frac{1}{4}$       (D)  $\frac{1}{5}$
- Q.20** An equivalent fraction of  $\frac{18}{24}$  with numerator 15 is :
- (A)  $\frac{3}{8}$       (B)  $\frac{15}{8}$       (C)  $\frac{15}{20}$       (D) none of these

## SUBJECTIVE TYPE

**Q.1** Write the fractions representing the shaded portions.



**Q.2** Colour the part according to the given fraction.



**Q.3** What fraction of an hour is 35 minutes ?

**Q.4** What fraction of a day is 11 hour ?

**Q.5** Write natural numbers from 2 to 15. What fraction of them are even ?

**Q.6** Kamal has 55 Toffees. He gives  $\frac{5}{11}$  of them to Kavi.

How many does Kavi get ? how many are left with Kamal ?

**Q.7** Add the following

(i)  $\frac{5}{6} + \frac{7}{12}$

(ii)  $\frac{3}{10} + \frac{4}{5} + \frac{1}{2}$

(iii)  $1\frac{5}{8} + \frac{1}{8}$

(iv)  $1\frac{4}{5} + 2\frac{7}{10}$

**Q.8** Subtract the following.

(i)  $\frac{1}{2} - \frac{3}{8}$

(ii)  $\frac{9}{10} - \frac{3}{5}$

(iii)  $2\frac{7}{8} - 1\frac{1}{4}$

(iv)  $4\frac{1}{2} - \frac{3}{10}$

- Q.9** The length of a stick is 45 m. What is the length of  $\frac{2}{9}$  of the stick.
- Q.10** Abhijit spent  $\frac{1}{3}$  of an hour painting his toy aeroplane and  $\frac{1}{6}$  of an hour polishing his shoes. How much time did he spend together ?
- Q.11** Rekha mixes  $\frac{1}{2}$  L of water with  $\frac{1}{8}$  L of orange squash.  
How much mixture does she gets ?
- Q.12** In a vegetable garden  $\frac{1}{6}$  of the area is covered with lettuce and  $\frac{5}{12}$  with tomato plants. What fraction of the area is planted with these ?
- Q.13** Deepak and Amir bought a cake. Deepak ate  $\frac{2}{5}$  of the cake. Amir ate  $\frac{3}{10}$  of it.  
(i) Who ate more?  
(ii) How much more
- Q.14** Write each of the following fractions in numerals.  
(i) 3 out of 5                      (ii) one - quarter                      (iii) eight-seventeenths
- Q.15** You read 37 pages of a chapter in your book and have 13 pages left. What fraction of the chapter have you read?
- Q.16** Find:  $\frac{1}{6}$  of 30 hours
- Q.17** Find:  
(i)  $\frac{3}{11}$  of Rs 44                      (ii)  $\frac{5}{7}$  of 54 weeks                      (iii)  $\frac{11}{80}$  of 4000 ml
- Q.18** Find the sum :  $\frac{1}{4} + \frac{0}{4}$
- Q.19** Solve the following :  
(i)  $\frac{8}{17} + \frac{5}{17}$                       (ii)  $1 - \frac{3}{4}$
- Q.20** Fill the empty box.  
 $\frac{7}{12} - \frac{1}{12} - \boxed{\phantom{00}} = \frac{1}{12}$
- Q.21** A wheel barrow can hold  $26\frac{1}{4}$  kg. Four rocks that weigh  $6\frac{1}{8}$  kg,  $8\frac{1}{2}$  kg,  $4\frac{3}{4}$  kg and  $7\frac{1}{2}$  kg are to be loaded into the wheel barrow. Can the wheel barrow hold all the four rocks?
- Q.22** Simplify:  $5\frac{1}{6} + 2\frac{1}{3} - 5\frac{11}{12}$
- Q.23** How many hours are  $\frac{3}{8}$  of a day ?

## ANSWER KEY


**OBJECTIVE :**

- |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|
| 1. D  | 2. C  | 3. A  | 4. C  | 5. D  | 6. D  | 7. C  |
| 8. B  | 9. A  | 10. C | 11. B | 12. A | 13. A | 14. A |
| 15. A | 16. A | 17. D | 18. A | 19. A | 20. C |       |

**SUBJECTIVE :**

1. (i)  $\frac{1}{6}$     (ii)  $\frac{2}{4}$     (iii)  $\frac{1}{5}$     (iv)  $\frac{3}{7}$

2. (i)     (ii) 

- (iii) 

3.  $\frac{7}{12}$

4.  $\frac{11}{24}$

5.  $\frac{1}{2}$

6. Toffees left with kamal = 30

7. (i)  $\frac{17}{12}$     (ii)  $\frac{8}{5}$     (iii)  $\frac{7}{4}$     (iv)  $\frac{9}{2}$

8. (i)  $\frac{1}{8}$     (ii)  $\frac{3}{10}$     (iii)  $\frac{13}{8}$     (iv)  $\frac{21}{5}$

9. 10m

10.  $\frac{1}{2}$  hr.

11.  $\frac{5}{8}$  Litre

12.  $\frac{7}{12}$

13. (i) Deepak ate more  $\left(\frac{4}{10} > \frac{3}{10}\right)$

(ii) how much more =  $\frac{1}{10}$

14. (i)  $\frac{3}{5}$  (ii)  $\frac{1}{4}$  (III)  $\frac{8}{17}$

15. Fraction of chapter read =  $\frac{37}{50}$

16. 5 hrs

17. (i) Rs.12 (ii)  $\frac{270}{7}$  weeks (iii) 5500 ml

18.  $\frac{1}{4}$

19. (i)  $\frac{13}{17}$  (ii)  $\frac{1}{4}$

20.  $\frac{5}{12} = x$

21. Wheel barrow cannot hold all the form rocks

22.  $\frac{19}{12}$

23. 9 hrs