

OBJECTIVETYPE QUESTIONS

Mark the correct alternative in each of the following:

- Which of the following is a proper fraction?
 (a) $\frac{4}{3}$ (b) $\frac{3}{4}$ (c) $1\frac{3}{4}$ (d) $2\frac{1}{5}$
- Which of the following is an improper fraction?
 (a) $\frac{1}{2}$ (b) $\frac{3}{7}$ (c) $\frac{7}{3}$ (d) $\frac{3}{15}$
- Which of the following is a fraction equivalent to $\frac{2}{3}$?
 (a) $\frac{4}{5}$ (b) $\frac{8}{6}$ (c) $\frac{10}{25}$ (d) $\frac{10}{15}$
- A fraction equivalent to $\frac{3}{5}$ is
 (a) $\frac{3+2}{5+2}$ (b) $\frac{3-2}{5-2}$ (c) $\frac{3 \times 2}{5 \times 2}$ (d) None of these
- If $\frac{5}{12}$ is equivalent to $\frac{x}{3}$, then $x =$
 (a) $\frac{5}{4}$ (b) $\frac{4}{5}$ (c) $\frac{5}{3}$ (d) $\frac{3}{5}$
- Which of the following are like fractions?
 (a) $\frac{3}{5}, \frac{3}{7}, \frac{3}{11}, \frac{3}{16}$ (b) $\frac{5}{11}, \frac{7}{11}, \frac{15}{11}, \frac{2}{11}$ (c) $\frac{2}{3}, \frac{3}{4}, \frac{4}{5}, \frac{6}{7}$ (d) None of these
- If $\frac{11}{4} = \frac{77}{x}$, then $x =$
 (a) 28 (b) $\frac{77}{28}$ (c) 44 (d) 308
- $\frac{1}{2\frac{1}{3}} + \frac{1}{1\frac{3}{4}}$ is equal to
 (a) $\frac{7}{14}$ (b) $\frac{12}{49}$ (c) $4\frac{1}{12}$ (d) None of these
- If $\frac{1}{3} + \frac{1}{2} + \frac{1}{x} = 4$, then $x = ?$
 (a) $\frac{5}{18}$ (b) $\frac{6}{19}$ (c) $\frac{18}{5}$ (d) $\frac{24}{11}$
- If $\frac{1}{2} + \frac{1}{x} = 2$, then $x =$
 (a) $\frac{2}{5}$ (b) $\frac{5}{2}$ (c) $\frac{3}{2}$ (d) $\frac{2}{3}$
- Which of the following fractions is the smallest?
 $\frac{1}{2}, \frac{3}{7}, \frac{3}{5}, \frac{4}{9}$
 (a) $\frac{4}{9}$ (b) $\frac{3}{5}$ (c) $\frac{3}{7}$ (d) $\frac{1}{2}$

12. Which of the following fractions is the greatest of all?

$$\frac{7}{8}, \frac{6}{7}, \frac{4}{5}, \frac{5}{6}$$

(a) $\frac{6}{7}$

(b) $\frac{4}{5}$

(c) $\frac{5}{6}$

(d) $\frac{7}{8}$

13. What is the value of $\frac{a+b}{a-b}$, if $\frac{a}{b} = 4$?

(a) $\frac{3}{5}$

(b) $\frac{5}{3}$

(c) $\frac{4}{5}$

(d) $\frac{5}{4}$

14. If $\frac{a}{b} = \frac{4}{3}$, then the value of $\frac{6a+4b}{6a-5b}$ is

(a) -1

(b) 3

(c) 4

(d) 5

15. If $\frac{1}{5} - \frac{1}{6} = \frac{4}{x}$, then $x =$

(a) -120

(b) -100

(c) 100

(d) 120

16. The fraction to be added to $6\frac{7}{15}$ to get $8\frac{1}{5}$ is equal to

(a) $\frac{11}{15}$

(b) $1\frac{1}{15}$

(c) $\frac{44}{3}$

(d) $\frac{3}{44}$

17. If $\frac{45}{60}$ is equivalent to $\frac{3}{x}$, then $x =$

(a) 5

(b) 4

(c) 6

(d) 20

18. A fraction equivalent to $\frac{45}{105}$ is

(a) $\frac{6}{14}$

(b) $\frac{4}{7}$

(c) $\frac{5}{7}$

(d) $\frac{7}{5}$

19. $\frac{5}{8} + \frac{3}{4} - \frac{7}{12}$ is equal to

(a) $\frac{15}{24}$

(b) $\frac{17}{24}$

(c) $\frac{19}{24}$

(d) $\frac{21}{24}$

20. The correct fraction in the box $\square$ is $\square - \frac{5}{8} = \frac{1}{4}$

(a) $\frac{6}{8}$

(b) $\frac{7}{8}$

(c) $\frac{1}{2}$

(d) None of these

ANSWERS

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|---------|---------|---------|---------|---------|---------|---------|
| 1. (b) | 2. (c) | 3. (d) | 4. (c) | 5. (a) | 6. (b) | 7. (a) |
| 8. (d) | 9. (b) | 10. (d) | 11. (c) | 12. (d) | 13. (b) | 14. (c) |
| 15. (d) | 16. (b) | 17. (b) | 18. (a) | 19. (c) | 20. (b) | |