

Subskill # 19, 20 Fractions (Addition and Subtraction) I

Solve the following problems and write your answers on the answer sheet.
Reduce each answer if possible. Please show your work

1. $\frac{5}{9} + \frac{3}{9} =$ A. $\frac{8}{18}$
 B. $\frac{8}{9}$
 C. $\frac{4}{9}$
 D. $1\frac{1}{8}$
 E. None of the above

2. $\frac{1}{8} + \frac{5}{8} =$ A. $\frac{6}{16}$
 B. $1\frac{2}{3}$
 C. $\frac{3}{8}$
 D. $\frac{3}{4}$
 E. None of the above

3. $\frac{4}{6}$ A. $1\frac{1}{2}$
 $+\frac{5}{6}$ B. $\frac{9}{12}$
 $\underline{\quad}$ C. 1
 D. $\frac{3}{4}$
 E. None of the above

4. $\frac{3}{7} + \frac{5}{7} =$ A. $\frac{1}{7}$
 B. $1\frac{1}{8}$
 C. $1\frac{1}{7}$
 D. $\frac{4}{7}$
 E. None of the above

5. $\frac{7}{12}$ A. $\frac{5}{6}$
 $+\frac{3}{4}$ B. $4\frac{1}{12}$
 C. $\frac{5}{8}$
 D. $1\frac{1}{4}$
 E. None of the above

6. $\frac{3}{4} + \frac{2}{3} =$ A. $\frac{5}{7}$
 B. $1\frac{5}{12}$
 C. $\frac{5}{12}$
 D. $\frac{1}{2}$
 E. None of the above

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7. $3\frac{1}{2} + 4\frac{2}{3} =$

A. $7\frac{1}{6}$
B. $8\frac{1}{6}$
C. $7\frac{3}{5}$
D. $7\frac{2}{3}$
E. None of the above

8. $\frac{1}{6} + 8\frac{1}{8} + 4 =$

A. $12\frac{7}{24}$
B. $12\frac{1}{7}$
C. $8\frac{1}{7}$
D. 8
E. None of the above

9. $\frac{5}{8}$
 $-\frac{3}{8}$

A. $\frac{1}{4}$
B. 1
C. $\frac{1}{3}$
D. $\frac{1}{8}$
E. None of the above

10. $\frac{11}{12} - \frac{3}{4} =$

A. 1
B. $\frac{2}{3}$
C. $\frac{1}{6}$
D. $\frac{1}{5}$
E. None of the above

11. $4\frac{5}{6}$
 $-3\frac{1}{6}$

A. $1\frac{2}{3}$
B. $\frac{2}{3}$
C. 1
D. $1\frac{1}{2}$
E. None of the above

12. $8\frac{3}{4} - 6\frac{1}{3} =$

A. $2\frac{5}{12}$
B. 2
C. $2\frac{1}{3}$
D. 4
E. None of the above

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- 13.** $12 - 2\frac{1}{2} =$ A. $10\frac{1}{2}$
B. 10
C. $8\frac{1}{2}$
D. $9\frac{1}{2}$
E. None of the above

- 14.**
$$\begin{array}{r} 18\frac{3}{8} \\ - 11\frac{5}{8} \\ \hline \end{array}$$
 A. $7\frac{1}{4}$
B. $6\frac{3}{4}$
C. 8
D. $7\frac{3}{4}$
E. None of the above

- 15.** $12\frac{1}{6} - 4\frac{3}{5} =$ A. $8\frac{1}{15}$
B. $8\frac{17}{30}$
C. $7\frac{17}{30}$
D. $7\frac{1}{15}$
E. None of the above

- 16.** George is in a building maintenance class. He has been asked to mix $5\frac{1}{2}$ quarts of blue paint with $2\frac{1}{3}$ quarts of white paint. How much total paint will he have?
- A. $7\frac{2}{5}$ B. $7\frac{5}{6}$
B. $7\frac{1}{6}$ C. 8

- 17.** How much more blue paint does George have than white paint?

- A. $3\frac{1}{2}$ B. $3\frac{1}{6}$
C. $3\frac{1}{3}$ C. $3\frac{2}{3}$

- 18.** Ann needs $5\frac{3}{4}$ yards of fabric to upholster a small chair. She must cut it from an 8-yard piece of cloth. How much cloth will she have left?

- A. $3\frac{3}{4}$ B. $2\frac{3}{4}$
C. $2\frac{1}{4}$ C. $3\frac{1}{4}$

- 19.** Mike is an auto mechanic. He found a $\frac{3}{8}$ " bolt that had been stripped and needed to be replaced. Bolt sizes come in increments of $\frac{1}{16}$ ". What would the next larger size bolt be?

- A. $\frac{7}{16}$ B. $\frac{5}{16}$
C. $\frac{1}{2}$ C. $\frac{1}{8}$

- 20.** Working with a wrench, Mike found that a $\frac{1}{2}$ " wrench was too big and a $\frac{7}{16}$ " wrench was too small. Which wrench should he use?

- A. $\frac{15}{32}$ B. $\frac{13}{32}$
C. $\frac{17}{32}$ D. $\frac{19}{32}$

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Answer Key

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