

Choose the correct answer.

1. Which number is closest to $\frac{7}{10}$?

A 0

C 1

B $\frac{1}{2}$

D $1\frac{1}{2}$

For 2–5, ESTIMATE each sum or difference.

2. $\frac{7}{12} + \frac{3}{8}$

F 0

H 1

G $\frac{1}{2}$

J $1\frac{1}{2}$

3. $\frac{2}{10} - \frac{1}{6}$

A 0

C 1

B $\frac{1}{2}$

D $1\frac{1}{2}$

4. $\frac{8}{9} + \frac{2}{5}$

F 0

H 1

G $\frac{1}{2}$

J $1\frac{1}{2}$

5. $\frac{11}{12} - \frac{4}{7}$

A 0

C 1

B $\frac{1}{2}$

D $1\frac{1}{2}$

For 6–16, find the sum or difference in simplest form.

6. $\frac{1}{12} + \frac{7}{12}$

F $\frac{4}{3}$

H $\frac{8}{24}$

G $\frac{2}{3}$

J $\frac{1}{3}$

7. $\frac{4}{7} + \frac{2}{7}$

A $\frac{6}{7}$

C $\frac{2}{7}$

B $\frac{6}{14}$

D $\frac{2}{14}$

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

F $\frac{8}{16}$

H $\frac{2}{16}$

G $\frac{1}{4}$

J $\frac{1}{8}$

9. $\frac{5}{9} - \frac{2}{9}$

A $\frac{2}{18}$

C $\frac{1}{3}$

B $\frac{3}{18}$

D $\frac{7}{9}$

10. $\frac{5}{16} + \frac{3}{8}$

F $\frac{8}{24}$

H $\frac{11}{16}$

G $\frac{8}{16}$

J 1

11. $\frac{1}{4} + \frac{5}{6}$

A $\frac{6}{10}$

B $\frac{13}{24}$

C $\frac{3}{5}$

D $1\frac{1}{12}$

12. $1 - \frac{5}{9}$

F $1\frac{5}{9}$

G $\frac{7}{9}$

H $\frac{3}{9}$

J $\frac{4}{9}$

13. $\frac{3}{5} - \frac{1}{2}$

A $\frac{1}{20}$

B $\frac{1}{10}$

C $\frac{4}{7}$

D $\frac{2}{3}$

14. $\frac{7}{9} + \frac{2}{3}$

F $1\frac{4}{9}$

G 1

H $\frac{9}{12}$

J $\frac{13}{18}$

15. $\frac{13}{15} - \frac{2}{3}$

A $\frac{11}{12}$

B $\frac{11}{15}$

C $\frac{3}{5}$

D $\frac{1}{5}$

16. $\frac{1}{8} + \frac{2}{3}$

F $\frac{3}{11}$

G $\frac{19}{48}$

H $\frac{13}{24}$

J $\frac{19}{24}$

For 17–20, use the work backward strategy to solve.

17. Katrina walked from her house to the library. Then she walked $\frac{1}{3}$ mile to her friend's house. When she left her friend's house, she walked $\frac{2}{5}$ mile home. If Katrina walked a total of 1 mile, how far did she walk from her house to the library?

A $\frac{4}{15}$ mile

B $\frac{3}{8}$ mile

C $\frac{5}{8}$ mile

D $\frac{11}{15}$ mile

18. Joe and Claire played a number game. Joe told Claire to choose a number. Then he told her to multiply her number by 8, add 4, divide by 2, and subtract 10. The result was 16. What was Claire's starting number?

F 10

G 8

H 6

J 4

19. Tony went shopping for birthday gifts. He returned an item at the music store and received \$12. He spent \$13 on his sister's gift and \$12 on his friend's gift. Tony had \$11 at the end of his shopping. How much did he have to start?

A \$24

B \$25

C \$26

D \$27

20. Frank gave $\frac{1}{2}$ of his coin collection to his sister. He gave part of his collection to a friend and kept $\frac{2}{5}$ of the collection for himself. What part of his collection did he give to his friend?

F $\frac{9}{10}$

G $\frac{9}{20}$

H $\frac{1}{10}$

J $\frac{1}{20}$

Stop