Apply Add or subtract.

1. $\frac{7}{8} - \frac{5}{6}$ _____

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

3. $\frac{3}{4} + \frac{1}{6}$ _____

4. $\frac{1}{9} - \frac{7}{9}$ _____

5. $\frac{5}{8} - \frac{1}{3}$ _____

6. $\frac{1}{6} + \frac{2}{3}$ _____

7. $\frac{2}{3} - \frac{4}{7}$ _____

8. $\frac{2}{5} + \frac{3}{5}$ _____

9. $\frac{6}{7} + \frac{1}{8}$ _____

10. $\frac{2}{3} - \frac{2}{5}$ _____

11. $\frac{1}{4} + \frac{5}{9}$ _____

12. $\frac{1}{2} + \frac{1}{4}$ _____

olve each problem.

13. A fruit salad is $\frac{1}{4}$ green melon and $\frac{1}{3}$ orange melon. What fraction of the salad is melon?

_____

14. A muffin recipe calls for $\frac{2}{3}$ cup of milk. If Mia has $\frac{1}{2}$ cup of milk, how much more milk does she need?

_____

15. Manuel obtained the following measurements: $\frac{1}{12}$ inch, $\frac{2}{3}$ inch, and $\frac{1}{24}$ inch.
What is the sum of the measurements? _____

16. Find the least common denominator for the fractions $\frac{2}{25}$ and $\frac{1}{3}$. _____

17. Explain how to add two fractions with unlike denominators.

_____

_____

_____

Assessment Practice

DIRECTIONS Read each question. Then circle the letter for the correct answer.

1. Which of the following expressions can be used to find the sum of $\frac{4}{9} + \frac{1}{6}$?

   A $\frac{2}{6} + \frac{1}{6}$

   B $\frac{8}{18} + \frac{3}{18}$

   C $\frac{18}{36} + \frac{6}{36}$

   D $\frac{8}{9} + \frac{12}{9}$

2. Which of the following expressions can be used to find the difference of $\frac{5}{6} - \frac{3}{10}$?

   A $\frac{5}{40} - \frac{15}{40}$

   B $\frac{50}{60} - \frac{60}{60}$

   C $\frac{18}{36} - \frac{6}{36}$

   D $\frac{25}{30} - \frac{9}{30}$

3. $\frac{1}{8} + \frac{3}{10} + \frac{1}{5} =$

   A $\frac{1}{6}$

   B $\frac{5}{23}$

   C $\frac{3}{5}$

   D $\frac{5}{8}$

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

   A $\frac{1}{2}$

   B $\frac{6}{9}$

   C $\frac{4}{3}$

   D $\frac{11}{6}$

5. $\frac{1}{6} + \frac{3}{8} =$

   A $\frac{3}{48}$

   B $\frac{4}{14}$

   C $\frac{4}{8}$

   D $\frac{13}{24}$

6. Mrs. Dorsey spent $\frac{3}{4}$ hour cooking and $\frac{3}{10}$ hour cleaning the kitchen. How much more time did she spend cooking than cleaning?

   A $\frac{6}{40}$ hour

   B $\frac{9}{40}$ hour

   C $\frac{6}{20}$ hour

   D $\frac{9}{20}$ hour

7. Joe mowed $\frac{1}{3}$ of the lawn. His brother mowed $\frac{1}{4}$ of the lawn and his sister mowed $\frac{1}{5}$ of the lawn. How much of the lawn was mowed?

   A $\frac{1}{20}$

   B $\frac{5}{13}$

   C $\frac{47}{60}$

   D $\frac{49}{60}$

8. A company invests $\frac{3}{8}$ of its profits into stocks and $\frac{2}{5}$ into savings bonds. How much of the company's profit is invested in stocks and bonds?

   A $\frac{6}{40}$

   B $\frac{6}{24}$

   C $\frac{5}{13}$

   D $\frac{31}{40}$

Apply Solve each equation.

1. $9\frac{7}{9} - 3\frac{2}{6}$ _____

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

3. $18\frac{1}{5} + 12\frac{3}{4}$ _____

4. $4\frac{1}{3} + 5\frac{5}{12}$ _____

5. $10\frac{2}{3} - 4\frac{7}{12}$ _____

6. $11\frac{2}{5} - 3\frac{1}{4}$ _____

7. $5\frac{2}{3} - 3\frac{5}{6}$ _____

8. $7\frac{5}{6} + 2\frac{5}{8}$ _____

9. $9 - 4\frac{7}{8}$ _____

10. $\frac{10}{3} - \frac{5}{2}$ _____

11. $\frac{15}{2} + \frac{5}{4}$ _____

12. $\frac{5}{3} - \frac{1}{6}$ _____

Solve each problem.

13. Ms. Jones bought $2\frac{2}{3}$ pounds of red apples and $3\frac{1}{4}$ pounds of green apples. How many pounds of apples did Ms. Jones buy?

_____

14. Sean takes $3\frac{1}{2}$ hours to type his report. Luis takes $4\frac{1}{4}$ hours to type his report. How much longer does it take Luis to type his report?

_____

15. If Alex lives $3\frac{5}{8}$ miles away from school and Mariana lives $2\frac{1}{4}$ miles away from school, how much farther does Alex live than Mariana?

_____

16. Explain the error in $2\frac{1}{3} + 2\frac{2}{3} = 4$.

_____

_____

_____

Assessment Practice

DIRECTIONS Read each question. Then circle the letter for the correct answer.

1. Which of the following expressions can be used to find $5\frac{1}{4} + 7\frac{5}{6}$?

   A $5\frac{1}{12} + 7\frac{5}{12}$

   B $5\frac{3}{12} + 7\frac{10}{12}$

   C $5\frac{3}{4} + 7\frac{10}{6}$

   D $5\frac{2}{2} + 7\frac{3}{2}$

2. Which of the following expressions can be used to find $3 - 1\frac{5}{7}$?

   A $\frac{3}{7} - 1\frac{5}{7}$

   B $\frac{9}{7} - \frac{6}{7}$

   C $2\frac{7}{7} - 1\frac{5}{7}$

   D $3\frac{7}{7} - 1\frac{5}{7}$

3. $7\frac{9}{10} - 3\frac{1}{2} + \frac{1}{2} =$

   A $4\frac{2}{5}$

   B $4\frac{9}{10}$

   C $5\frac{2}{5}$

   D $5\frac{9}{10}$

4. $2\frac{1}{5} + 8\frac{3}{4} =$

   A $6\frac{2}{3}$

   B $10\frac{4}{9}$

   C $10\frac{19}{20}$

   D $18\frac{3}{20}$

5. $12\frac{1}{4} + 8\frac{1}{6} + 9\frac{2}{3} =$

   A $28\frac{1}{3}$

   B $29\frac{1}{12}$

   C $29\frac{1}{3}$

   D $30\frac{1}{12}$

6. Tom rode his bike $2\frac{1}{2}$ hours on Saturday and $3\frac{1}{3}$ hours on Sunday. How much longer did Tom ride on Sunday?

   A $\frac{5}{6}$ hour

   B $\frac{3}{10}$ hour

   C $1\frac{2}{4}$ hour

   D $5\frac{4}{6}$ hour

7. It took a painter $19\frac{3}{4}$ hours to paint one house and $14\frac{1}{2}$ hours to paint another house. How many hours did it take to paint both houses?

   A $33\frac{1}{4}$ hours

   B $33\frac{1}{2}$ hours

   C $34\frac{1}{4}$ hours

   D $34\frac{1}{2}$ hours

8. Gerry thought it would take $5\frac{3}{4}$ hours to clean the garage. It actually took $7\frac{1}{6}$ hours to clean it. How much longer did it take to clean the garage than Gerry thought?

   A $1\frac{5}{12}$ hours

   B $2\frac{1}{3}$ hours

   C $2\frac{7}{12}$ hours

   D $12\frac{11}{12}$ hours