

Find the sum or the difference.

1.  $\frac{3}{8} + \frac{4}{8}$

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

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

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

5.  $-\frac{5}{6} + (-\frac{5}{9})$

6.  $\frac{5}{8} - (-\frac{1}{4})$

7. Cassandra cuts  $\frac{7}{18}$  inch off the top of a photo and  $\frac{4}{9}$  inch off the bottom. How much shorter is the total height of the photo now? **READ CAREFULLY!**

8.  $7\frac{1}{2} + 2\frac{4}{5}$

9.  $10 - 5\frac{3}{4}$

10.  $9\frac{7}{10} + (-3\frac{2}{5})$

11.  $3\frac{1}{8} - 1\frac{2}{3}$

12. A water cooler tank can hold

$3\frac{9}{10}$  gallons of water. It contains  $1\frac{3}{4}$  gallons of water. How much more water is needed to fill the tank?

Find the product.

13.  $\frac{3}{4} \cdot \frac{1}{4}$

14.  $-\frac{1}{3} \cdot (-\frac{6}{7})$

15.  $2\frac{1}{4} \cdot \frac{1}{3}$

16. Three-eighths of the seventh graders are assigned to ZAP. One-fifth of those students also have lunch detentions. What fraction of the students have both a zap and a lunch detention?

Find the quotient.

17.  $\frac{1}{7} \div \frac{1}{3}$

18.  $-2 \div (-\frac{6}{7})$

19.  $-2\frac{2}{3} \div \frac{4}{9}$

20. Rosa makes  $3\frac{1}{2}$  cups of pudding. How many  $\frac{1}{3}$  cup servings can she make so she can share with her friends?