



$$\frac{25}{10} + \frac{18}{10}$$

$$\frac{-\frac{3}{2}}{275} \left(-\frac{9}{5}\right)^{\frac{3}{2}} \left(-\frac{9}{5}\right)^{\frac{3}{2}} \left(-\frac{7}{10}\right)$$
a. $\frac{43}{10}$ b. $\frac{-7}{10}$ c. $\frac{7}{10}$ d. $\frac{43}{10}$ $\frac{46}{-\frac{14}{3}} - \frac{5}{2} \times \frac{3}{3}$

8. Determine this difference.

$$\frac{-4\frac{2}{3} - 2\frac{1}{2}}{2} = \frac{1}{3} \times \frac{1}{2} \times \frac{1}{2}$$
a. $\frac{-1}{4}$ b. $\frac{15}{8}$ c. $\frac{15}{8}$ d. $\frac{11}{4}$ c. $\frac{43}{10} = \frac{15}{10} = \frac{15}{10}$

9. Determine this product.

$$\left(-\frac{3}{2}\right)\left(-\frac{5}{4}\right) = \frac{15}{8}$$
a. $\frac{11}{4}$ b. $\frac{15}{8}$ c. $\frac{15}{8}$ d. $\frac{11}{4}$ c. $\frac{43}{10} = \frac{15}{10} = \frac{15}{10}$

10. Determine this product.

$$\left(-\frac{41}{3}\right)\left(\frac{14}{5}\right) = \frac{15}{8}$$
a. $\frac{7}{4}$ b. $\frac{28}{15}$ c. $\frac{28}{15}$ c. $\frac{28}{15}$ d. $\frac{117}{15}$

B. 11. The price of a share changed by $-\frac{5}{145}$. A person owns 190 shares.

By how much did his shares change in value?

a. $-\frac{5}{8}$ 5.50 b. $-\frac{28}{15}$ c. $+\frac{5}{275}$ 5.50 d. $-\frac{7}{12}$ 5.

B

11. The price of a share changed by
$$-\$1.45$$
. A person owns 190 shares.

By how much did his shares change in value?

a. $-\$85.50$

c. $+\$275.50$

d. $-\$131.03$

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 $\frac{47}{5}$

Determine this quotient.

 $-\frac{5}{2} \times \frac{7}{2} = -\frac{35}{4}$

a. $-\frac{7}{5}$

b. $-\frac{4}{35}$

2. Determine this quotient.

 $1\frac{1}{2} + \left(-\frac{3}{25}\right)$

a. $-\frac{11}{15}$

b. $-\frac{4}{35}$

c. $-\frac{13}{5}$

a. $-\frac{11}{15}$

b. $-\frac{4}{35}$

c. $-\frac{13}{5}$

d. $-\frac{5}{7}$

14. Evaluate.

 $\frac{5}{5} + \left(\frac{4s^{5}}{3s^{4}} \frac{1}{6}\right)$

a. $\frac{25}{54}$

b. $\frac{8}{15}$

c. $\frac{5}{9}$

d. $\frac{19}{24}$

A formula for calculating the amount of money remaining in her account is $A = T - 95w$, where T dollars is the original amount and w is the number of weeks she has been withdrawing money.

$$A = 1298 - 95(13)$$

$$= 1298 - 1235$$

$$= 63$$

20. Determine this product.
$$\begin{pmatrix}
3\frac{1}{2} \left| \left(-\frac{3^2}{3^3} \right) \right| & \# 20 \\
\hline
21. Determine this product.
$$\begin{pmatrix}
\frac{3}{2} \left| \left(-\frac{3}{3} \right) \right| & \frac{4}{3} \\
\hline
22. Determine this quotient.
$$\begin{pmatrix}
-\frac{4}{3} \right) + \left(-\frac{5}{3} \right) \\
\hline
23. Determine this quotient.
$$\begin{pmatrix}
-\frac{4}{3} \right) + \left(-\frac{5}{3} \right) \\
\hline
24. Evaluate.
$$\frac{2}{3} - \left(-\frac{7}{12} \right) \left(-\frac{4}{21} \right) \\
\hline
25. Evaluate.
$$\frac{17}{8} \times 2\frac{2}{5} - 1\frac{3}{4}$$

$$\frac{210}{46}$$

$$\frac{149}{45}$$

$$\frac{149}{252}$$

$$\frac{149}$$$$$$$$$$$$

- 28. Melissa earns \$45.25 working in a coffee shop, and \$18.25 for babysitting. She spends \$31.64 on art supplies and \$15.48 on a computer game.
 - a) Write an addition statement to represent Melissa's income and expenditure.
 - b) How much money does Melissa have left?

29. Evaluate this expression. Show your work.

$$-2\frac{3}{4} - (-4\frac{1}{3}) - 2\frac{5}{6}$$

- 30. A fishing resort has 21 cabins, all of which need to be repainted.
 - The average cost of painting a cabin is \$490.47.
 - a) Write a multiplication statement with rational numbers to determine the cost of painting the cabins.
 - b) The resort has a budget of \$10 524.00. How much money will be left in the budget after all the cabins are painted?

