



Practice Questions p. 128-129

Questions

3,4,5,7 9, 11, 12, 14,15,

Do not just write down answers show work.
You don't have to rewrite word problems but
for 11, 12 write out the questions (NOT JUST
THE ANSWERS)

3. Predict which products are greater than 0, then multiply to determine each product. Explain the strategy you used to predict.

a) $3 \times (-5.2)$

b) $2.6 \times (-4)$

c) $(-1.3) \times 5$

d) $(-0.9) \times (-7.1)$

4. Predict which products are less than 0, then multiply to determine each product. Explain the strategy you used to predict.

a) $(-3) \times \frac{2}{3}$ b) $\left(-\frac{1}{4}\right) \times (-5)$

c) $\left(\frac{4}{5}\right) \times (-2)$ d) $\left(-\frac{1}{2}\right) \times \frac{7}{8}$

5. Determine each product. Estimate to place the decimal point.

a) $(-0.64)(0.2)$ b) $(-0.5)(-5.71)$

c) $(-4.13)(-0.8)$ d) $(0.7)(8.5)$

7. Determine each product.

a) $\left(-\frac{1}{3}\right)\left(\frac{2}{5}\right)$

b) $\left(\frac{1}{4}\right)\left(-\frac{3}{5}\right)$

c) $\left(\frac{4}{5}\right)\left(\frac{1}{2}\right)$

d) $\left(-\frac{5}{6}\right)\left(-\frac{2}{3}\right)$

9. On February 5, 2008:

a) The price of a share in Petro-Canada changed by $-\$0.80$.

A person owns 120 shares. By how much did the shares change in value that day?

b) The price of a share in Research in Motion changed by $-\$2.10$.

A person owns 50 shares. By how much did the shares change in value that day?

c) The price of a share in Shoppers Drug Mart changed by $\$0.23$.

A person owns 65 shares. By how much did the shares change in value that day?

11. Determine each product.

a) $(-1.23)(2.8)$ b) $(-23.7)(-1.2)$

c) $(15.2)(15.2)$ d) $(-20.1)(-5.2)$

12. Determine each product.

a) $\left(\frac{5}{4}\right)\left(-\frac{16}{5}\right)$

b) $\left(-\frac{2}{3}\right)\left(-\frac{5}{6}\right)$

c) $\left(-2\frac{8}{9}\right)\left(5\frac{1}{8}\right)$

d) $\left(-4\frac{2}{5}\right)\left(-\frac{5}{3}\right)$

- 14.** A courier company has a bank account balance of \$45 567.87. The company must repaint all its 25 delivery trucks at an average cost of \$3457.25 per truck.
- a) Write a multiplication statement with rational numbers to determine the cost of painting the trucks.
- b) What is the bank account balance after the bill for painting has been paid? Explain your result.

15. Predict the sign of each product, then calculate the product.

a) $(-2.0)(-0.5)(3.1)$ b) $\left(\frac{5}{6}\right)\left(-\frac{4}{7}\right)\left(\frac{3}{2}\right)$

16. Determine the missing number in each product statement.

What strategies did you use?

a) $-3.25 \times \square = 15.275$ b) $-\frac{5}{4} \times \square = -\frac{35}{8}$