

5.8

Multiplication of Negative and Positive Numbers

• Example 1

Find each product.

$$5 \times (-6) = -30$$

$$10 \times (-12) = -120$$

$$(-7) \times 9 = -63$$

$$1.5 \times (-0.3) = -0.45$$

$$\begin{aligned} \left(-\frac{5}{8}\right) \times \frac{4}{15} &= -\left(\frac{\overset{1}{\cancel{5}}}{8} \times \frac{\overset{1}{\cancel{4}}}{1\overset{1}{\cancel{5}}}\right) \\ &= -\frac{1}{6} \end{aligned}$$

• • • CHECK YOURSELF 1

Find each product.

a. $15 \times (-5)$

b. $(-0.8) \times 0.2$

c. $\left(-\frac{2}{3}\right) \times \frac{6}{7}$

• • • CHECK YOURSELF ANSWER

1. (a) -75 ; (b) -0.16 ; (c) $-\frac{4}{7}$.

5.8 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____

2. _____

3. _____

4. _____

5. _____

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10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

Multiply.

1. $6 \times (-12)$

2. $4 \times (-3)$

3. $(-2.3) \times 5$

4. $7 \times (-8.4)$

5. $(-10) \times 6$

6. $10 \times (-10)$

7. $2 \times (-50)$

8. $20 \times (-4)$

9. $\left(-\frac{4}{5}\right) \times \frac{4}{9}$

10. $\frac{3}{5} \times \left(-\frac{2}{9}\right)$

11. $(-4) \times 7.1$

12. $(-9.4) \times 2.5$

13. $\frac{2}{7} \times \left(-\frac{2}{5}\right)$

14. $\left(-\frac{1}{3}\right) \times \frac{1}{7}$

15. $3.7 \times (-2.4)$

16. $(-5.6) \times 7.1$

17. $\left(-\frac{5}{8}\right) \times \frac{3}{8}$

18. $\left(-\frac{7}{9}\right) \times \frac{3}{5}$