

2.5

Multiplication of Negative and Positive Numbers

• Example 1

Find each product.

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

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

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

$$\begin{aligned} \left(-\frac{5}{8}\right) \times \frac{4}{15} &= -\left(\frac{\overset{1}{\cancel{5}}}{\underset{2}{8}} \times \frac{\overset{1}{\cancel{4}}}{\underset{3}{15}}\right) \\ &= -\frac{1}{6} \end{aligned}$$

CHECK YOURSELF 1

• • • Find each product.

a. $15 \times (-5)$

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

CHECK YOURSELF ANSWER

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

2.5 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

Multiply.

1. $6 \times (-12)$

2. $4 \times (-3)$

3. $(-23) \times 5$

4. $7 \times (-84)$

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. $(-4) \times 71$

12. $(-94) \times 25$

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

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

15. $37 \times (-24)$

16. $(-56) \times 71$

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

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