

Lesson 2.4 Extra Practice

Without multiplying, tell whether the value of the expression is positive or negative.

1. $(-157) \cdot (2.3)$ negative
 2. $\frac{4}{9} \times (-\frac{6}{7})$ negative
 3. $(-7)(-8.2)$ positive
 4. $-3.2 \times (-1.7)$ positive

Find the product. Write fractions in simplest form.

5. $-4 \cdot 8$ -32
 6. $-7 \cdot (-3)$ 21
 7. $(-3)^2$ 9
 8. $-1\frac{1}{6} \cdot 5$ $-\frac{55}{6}$
 9. $0.1 \cdot (-0.1)$ -0.01
 10. $10(-2.5)(-4)$ 100
 11. $\frac{2}{5} \times (-\frac{10}{7})$ $-\frac{4}{7}$
 12. $-\frac{3}{4} \cdot (-\frac{10}{9})$ $\frac{5}{6}$
 13. $\frac{3}{2}(-2\frac{2}{9})$ $-3\frac{1}{3}$
 14. $(-1\frac{3}{8})^2$ $1\frac{57}{64}$
 15. -3.7×2.1 -7.77
 16. $-5.7 \cdot (-2.06)$ 11.742
 17. $3 \times (-4) \times 10$ -120
 18. $(7 \cdot -2) \cdot 15$ -210
 19. $(\frac{1}{3})(9)(15)$ 45
 20. $\frac{2}{5} \cdot \frac{3}{4} \cdot (-2)$ $-\frac{3}{5}$
 21. $-0.03 \times (-3.2) \times (-2.6)$ -0.2496
 22. $(-1.2)(4.7)(\frac{2}{3})$ -3.76

23. There are 15 people in a room. Each person ate $\frac{2}{3}$ of a pizza. There was no pizza remaining. How many pizzas were in the room? means multiply!
 $15 \cdot \frac{2}{3} = 10$ pizzas

24. During a drought, a river's height decreases by 0.35 inch every day. What is the change in the river's height after 7 days?
 $7 \cdot 0.35 = -2.45$ inches
 decreased