



Simplify:

1. $-15(-4)$

2. $(-4)(-2)(-8)$

3. $-3(-2)(5)$

4. $9(-1)(5)$

5. $\frac{22}{-2}$

6. $-45 \div 9$

7. $\frac{-16}{-4}$

8. $(-1)(-2)(-3)(-4)(-5)$

9. $-36 \div -3 \div -6$

Evaluate each expression if $a = -6$, $b = -4$, $c = 3$, $d = 0$, $e = 12$, $f = -4$, $g = -6$.

10. $-5c$

11. b^2

12. $2a$

13. abc^3

14. $-3a^2$

15. $-cd^4$

16. $e \div f$

17. $ef \div 16$

18. $\frac{g - e}{3}$

19. $\frac{8 - e}{-2}$

20. $\frac{g^2}{c^2}$

21. $\frac{g+f}{5}$

22. A camera dropped from a boat descends 9 meters every minute. What will be the change in location of the camera after 5 minutes?

23. The average person loses 50 to 80 hairs per day to make way for new growth. Suppose you lose 65 hairs per day for 15 days without growing any. Write a multiplication expression to represent the situation, then find the product and explain the meaning.

24. Alanna has a \$100 gift card to her favorite pastry shop. She spends \$4 a day at the shop for the next 12 days. Write a multiplication expression to represent the situation, then find the product and interpret the meaning for the context of this problem.

25. Simplify:

a. $-10 \div 2$

b. $10 \div -2$

c. $\frac{-10}{2}$

d. $\frac{10}{-2}$

e. $-\frac{10}{2}$

26. Write a rule explaining what you just learned about negative signs and fractions.

*No matter how many mistakes you make or how slow you progress,
you're still way ahead of everyone who isn't trying. Tony Robbins*