

NAME _____

DATE _____

Module 1 Getting Ready for Algebra
Lesson 2 Simplifying Expressions with Integers



**independent
practice**

Simplify each expression.

1. $5 + (-2)$

2. $1 + (-12)$

3. $(-8) + (-4)$

4. $(-6) + (-4)$

5. $-3 + 17$

6. $-9 + 13$

7. $54 + 36$

8. $72 + 78$

9. $8 - 3$

10. $6 - 15$

11. $-8 - 8$

12. $-37 - 22$

13. $-11 - (-11)$

14. $-19 - (-26)$

15. $21 - (-21)$

16. $39 - 39$

17. $-3 + (-1) + (-7)$

18. $-7 + 8 + (-10)$

19. $(-5) + (-22) + (-7)$

20. $3 + (-18) + 48$

21. $9 - (-3) + 6$

22. $-1 - (-5) + 32$

23. $0 - (-17) + 39$

24. $13 - (-13) + 45$

25. $(-7)(6)$

26. $(13)(-4)$

27. $(2)(-7)(8)$

28. $(-64)(0)(-19)$

29. $(-4)(6)(-5)$

30. $(-3)(-9)$

31. $(8)(-7)(-1)$

32. $(-75)(0)(-25)$

33. $49 \div (-7)$

34. $(-54) \div 9$

35. $\frac{-75}{-25}$

36. $\frac{-98}{7}$

37. $0 \div (-16)$

38. $810 \div (-9)$

39. $\frac{1}{0}$

40. $\frac{-215}{215}$

Journal

1. What is different about multiplying and dividing integers and what is similar?
2. How can you define subtraction using addition?
3. What happens when you add opposites, subtract opposites, multiply opposites, and divide opposites?
4. What is the easiest way to decide if the product of several factors is positive or negative?
5. Write the rule for adding integers in your own words.

Cumulative Review

Are the following numbers rational or irrational?

1. 7.236

2. 23.6666...

3. π

4. $\sqrt{33}$

5. -438

6. $-7\frac{4}{9}$

7. $\sqrt{49}$

8. $\sqrt{17}$

9. $\sqrt{0}$

10. $\sqrt{\frac{4}{9}}$
