

1-3**Practice: Skills*****Integers and Absolute Value***

Write an integer for each situation.

- | | |
|-------------------------------|----------------------------------|
| 1. 3 strokes below par | 2. 10 strokes above par |
| 3. a 6-yard loss | 4. an 8-yard gain |
| 5. 12 centimeters longer | 6. 7 inches below normal |
| 7. \$5 off the original price | 8. a gain of 6 hours |
| 9. 2° above zero | 10. a loss of 15 pounds |
| 11. a \$35 withdrawal | 12. a \$75 deposit |
| 13. 1 mile above sea level | 14. 20 fathoms below the surface |

Replace ● with $<$, $>$, or $=$ to make a true sentence.

- | | | |
|---------------------|------------------------|-------------------------|
| 15. $-12 \bullet 4$ | 16. $-4 \bullet -5$ | 17. $-10 \bullet -8$ |
| 18. $3 \bullet -13$ | 19. $ -6 \bullet 6 $ | 20. $ -4 \bullet -5 $ |

Order the integers in each set from least to greatest.

- | | |
|---------------------------|-------------------------------|
| 21. $\{0, -6, 7, 2, -4\}$ | 22. $\{-1, -2, -3, 3, 2, 1\}$ |
|---------------------------|-------------------------------|

Evaluate each expression.

- | | | |
|--------------------|--------------------|---------------------|
| 23. $ -8 $ | 24. $ 31 $ | 25. $ -1 $ |
| 26. $- -256 $ | 27. $ 3 + -19 $ | 28. $ -12 + -13 $ |
| 29. $ 28 - -26 $ | 30. $ 28 + -26 $ | 31. $ 24 - -15 $ |

Evaluate each expression if $a = 3$, $b = 8$, and $c = -5$.

- | | | |
|---------------|---------------|----------------|
| 32. $ a + 5$ | 33. $ b - 2$ | 34. $2 c + b$ |
| 35. $a + a $ | 36. $ 3b $ | 37. $ a + 16 $ |

1-6

Practice: Skills

Multiplying and Dividing Integers

Multiply.

1. $-2 \cdot 3$

2. $3(-3)$

3. $-4(-2)$

4. $5 \cdot 7$

5. $-9(-8)$

6. $-11 \cdot 12$

7. $15(-3)$

8. $-7(-13)$

9. $-5(2)(-7)$

10. $(-10)^2$

11. $6(8)(-3)$

~~12.~~ $(-4)^3$

~~13.~~ $(-9)^2$

14. $-1(-3)(-4)$

15. ~~$(-10)^3$~~

16. $-3(-4)(-7)$

Divide.

17. $-15 \div 3$

18. $40 \div (-5)$

19. $-63 \div (-7)$

20. $76 \div 4$

21. $\frac{-56}{-4}$

22. $\frac{-48}{16}$

23. $\frac{-57}{-19}$

24. $\frac{75}{-5}$

Evaluate each expression if $a = -2$, $b = 5$, and $c = -6$.

Show work! 25-30

25. abc

26. $2b + c$

27. $\frac{2b - c}{a}$

28. $ab - c$

29. $\frac{c}{a + b}$

30. $\frac{2a + c}{b}$

~~31.~~ $b^2 - 5a$

~~32.~~ $(-c)^2$

Don't worry about problems with an X through them

Lesson 1-6