

Name: _____ Date: _____ Period: _____

Unit 1: Integers

Study Guide

Target 1: I can determine the absolute value of any integer in a real world situation. (7.C.1, 7.C.8)

Find the absolute value.

1. $|-1| =$

3. $|-122| =$

2. $|15| =$

4. $|37| =$

Complete the statement using $<$, $>$, or $=$.

5. $|-3|$ ___ -7

7. 5 ___ $|-8|$

6. 2 ___ $|-2|$

8. -7 ___ $|-7|$

Order the values from least to greatest.

9. $|-6|$, 10 , -2 , -6 , $|-7|$

10. $|-3|$, $|-5|$, -4 , 7 , $|0|$

11. The temperature in St. Louis, Missouri, is 31°F . The temperature in Duluth, Minnesota, is -29°F . Is the temperature in St. Louis or Duluth closer to 0°F ?

Target 2: I can determine the sum of two or more integers in a real world situation. (7.C.7, 7.C.8)

12. $-20 + 4 =$

15. $15 + 22 =$

13. $42 + (-10) =$

16. $-17 - (-56) + 14 =$

14. $-13 + (-12) =$

17. $3 + (-4) + 10 =$

18. Your bank account has a balance of $-\$12$. You deposit $\$60$. What is your new balance?

Target 3: I can determine the difference of two or more integers in a real world situation. (7.C.7, 7.C.2, 7.C.8)

19. $10 - (-3) =$

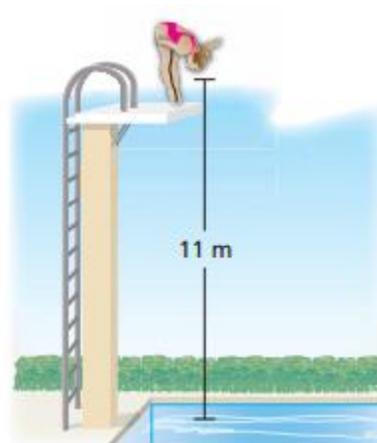
22. $-2 - (-5) - 3$

20. $-9 - (-9) =$

23. $8 - 1 - (-3)$

21. $22 - 12$

24. The figure shows a diver diving from a platform. The diver reaches a depth of 4 meters. What is the change in elevation of the diver?



Target 4: I can determine the product or quotient of two or more integers in a real world situation. (7.C.7, 7.C.3, 7.C.4, 7.C.8)

25. $-5 \cdot 16 =$

29. $-18 \div 6 =$

26. $-3(-4) =$

30. $-13(-9) =$

27. $72 \div 8 =$

31. $-5 \cdot 16 =$

28. $\frac{48}{-12} =$

32. $\frac{-36}{4} =$

33. You lose 2 points every time you forget to write your name on a test. You have forgotten to write your name 4 times. What integer represents your change in points from forgetting to write your name?

34. You are swimming each 25-yard length of a swimming pool 3 seconds faster than your personal best. What integer represents your change in time of your personal best after 200 yards.

SHOW ALL WORK!