

7A – Exercises – Chapter 2

Name Answer Key
Hour _____

Lesson 2.1 Practice

Integers and Absolute Value

Write an integer for each situation. Then identify its opposite and describe what it means.

1. 2 inches less than normal

-2

opposite:

2; 2 inches
more than
normal

2. 13°F above average

13

opposite:

-13

13°F below
average

3. A deposit of \$50

50

opposite:

-50

A withdrawal
of \$50

4. A loss of 8 yards

-8

opposite:

8

A gain of 8
yards

Evaluate each expression if $x = 8$ and $y = -3$.

5. $12 + |y|$

15

6. $3x - 4|y|$

12

7. $2|x| + 3|y|$

25

Lesson 2.2 Practice

Adding Integers

Add each sum

8. $6 + (-3)$

3

9. $-3 + (-5)$

-8

10. $-4 + (-4)$

-8

11. $10 + (-4)$

6

12. $(-3) + 4$

1

13. $-33 + 19$

-14

14. $6 + (-14) + (-5) + (-6)$

-19

15. $-20 + 15 + (-10) + 3$

-12

16. $16 + (-12) + 21 + (-25)$

0

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Lesson 2.3 Practice

Subtracting Integers

Find each difference.

17. $7 - 19$

-12

18. $12 - 21$

-9

19. $-5 - 3$

-8

20. $18 - (-9)$

27

21. $-15 - (-25)$

10

22. $45 - (-21)$

66

23. $26 - 49$

-23

24. $-45 - (-26)$

-19

Find the difference between the integers.

25. -2 and -6

4

26. -12 and 15

27

27. -4 and -16

12

Lesson 2.4 Practice

Multiplying Integers

Find each product.

28. $-5(7)$

-35

29. $-10 \cdot 4$

-40

30. $5(-11)$

-55

31. $-15(-4)$

60

32. $11 \cdot 3 \cdot -2$

-66

33. $-5(-6)7$

210

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Evaluate each expression if $x = -4$ and $y = 8$.

34. $-12x$

48

35. $5xy$

-160

36. $-3x(-y)$

-96

Lesson 2.5 Practice

Find each quotient.

37. $40 \div (-5)$

-8

38. $-\frac{28}{2}$

-14

Dividing Integers

39. $-18 \div (-2)$

9

40. The low temperatures in degrees Fahrenheit for a week were $-3, 5, -9, 2, 6, -11$, and -4 . Find the mean temperature.

-2°F

41. During 5 rounds of golf, James had scores of $2, -1, 0, -2$, and -4 . Find the mean of his golf scores.

-5