

7 - Exercises - Chapter 3

Name Answer Key
Hour _____

Lesson 3.1 Practice

Integers and Absolute Value

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

1. 12°C above zero

12; -12
 12°C below zero

2. A loss of \$24

-24; 24
A gain of \$24

3. A gain of 20 pounds

20; -20
A loss of 20 pounds

4. Falling 6 feet

-6; 6
Climbing 6 feet

Evaluate each expression

5. $|12|$

12

6. $|-150|$

150

7. $|-8| + 2$

10

8. $|84| - |-62|$

22

Lesson 2.2 Practice

Add Integers

Add.

9. $-5 + (-2)$

-7

10. $8 + 1$

9

11. $-7 + 10$

3

12. $-22 + (-7)$

-29

13. $-10 + (-10)$

-20

14. $-7 + (-3) + 10$

0

7 - Exercises - Chapter 3

Write an addition expression to describe each situation. Then find each sum.

15. A hawk is in a tree 100 feet above the ground. It flies down 35 feet.

$$100 + (-35)$$

$$65$$

16. Leah ran 6 blocks north then back 4 blocks south.

$$6 + (-4)$$

$$2$$

Lesson 3.3 Practice

Subtract.

17. $7 - 9$

$$-2$$

19. $-10 - 4$

$$-14$$

21. $-20 - (-5)$

$$-15$$

18. $20 - (-6)$

$$26$$

20. $0 - 12$

$$-12$$

22. $-75 - 50$

$$-125$$

Subtract Integers

Evaluate each expression if $m = -2$, $n = 10$, and $p = 5$.

23. $m - 6$

$$-8$$

24. $9 - n$

$$-1$$

25. $m - p$

$$-7$$

7 - Exercises - Chapter 3

Lesson 3.4 Practice

Multiply.

26. $-5(8)$

-40

28. $-12(-12)$

144

30. $(-3)(-3)(-5)$

-45

Multiply Integers

27. $-3(-7)$

21

29. $2(-3)(5)$

-30

31. $5(-4)(5)$

-100

Lesson 3.5 Practice

Divide.

32. $-12 \div 4$

-3

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

-5

36. $350 \div (-25)$

-14

Divide Integers

33. $-14 \div (-7)$

2

35. $\frac{-80}{-20}$

4

37. $-420 \div (-3)$

140

Evaluate each expression if $d = -24$, $e = -4$, and $f = 8$

38. $\frac{f+8}{e}$

-4

39. $\frac{d-e}{5}$

-4