

## Lesson 2 Homework Practice

### Add Integers

Add.

1.  $34 + 22$

2.  $-29 + 30$

3.  $9 + (-32)$

4.  $-16 + (-28)$

5.  $4 + (-50)$

6.  $-12 + (-63)$

7.  $-42 + 42$

8.  $-28 + 14$

9.  $13 + 63$

10.  $18 + (-12) + 5$

11.  $-22 + (-10) + 15$

12.  $-14 + 0 + 13$

**Write an addition expression to describe each situation. Then find each sum and explain its meaning.**

**13. WEIGHT** An actor gains 20 pounds for a part and then loses 15 pounds during the filming of the movie to go along with the story.

**14. TEMPERATURE** At 4:00 A.M., the outside temperature was  $-28^{\circ}\text{F}$ . By 4:00 P.M. that same day, it rose 38 degrees.

**15. ROLLER COASTERS** The latest thrill ride at a popular theme park takes roller coaster fans on an exciting ride. In the first 20 seconds, it carries its passengers up a 100-meter hill, plunges them down 72 meters, and quickly takes them back up a 48-meter rise. How much higher or lower from the start of the ride are they after these 20 seconds?

# Lesson 3 Homework Practice

## Subtract Integers

**Subtract.**

1.  $16 - 14$

2.  $-4 - 2$

3.  $9 - (-2)$

4.  $-6 - (-8)$

5.  $-20 - 10$

6.  $-28 - (-13)$

7.  $-33 - 33$

8.  $28 - 14$

9.  $13 - (-63)$

10.  $-18 - (-12)$

11.  $52 - (-30)$

12.  $-15 - 0$

- 13. WEATHER** The highest and lowest recorded temperatures for the state of Texas are  $120^{\circ}\text{F}$  and  $-23^{\circ}\text{F}$ . Find the difference in these extreme temperatures.

**ALGEBRA** Evaluate each expression if  $x = -8$ ,  $y = 7$ , and  $z = -11$ .

14.  $x - 7$

15.  $-13 - y$

16.  $-11 - z$

17.  $x - z$

18.  $z - y$

19.  $y - x$

20.  $x - (-z)$

21.  $|y - z|$

22.  $x - z - y$

- 23. ANALYZE TABLES** In golf, scores are often stated as the number of strokes above or below par for the course. Four golfers played two rounds of golf during the weekend. The table lists their scores for each round in relation to par.

Golfer	Patrick	Diane	James	Judy
Round 1	-6	+1	+2	-3
Round 2	-2	-4	+7	+6

- Find the difference between James's Round 2 score and Diane's Round 2 score.
- Find the difference between Patrick's lower score and Judy's higher score.