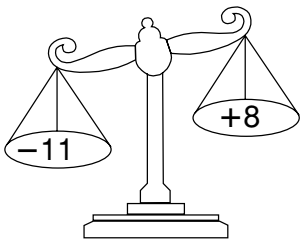
Name _____ Date _____ Class _____

LESSON 2-2

Reteach

Adding Integers

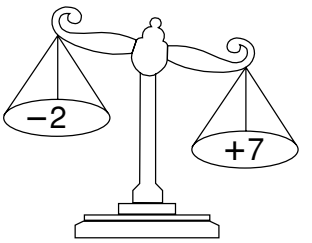
This balance scale "weighs" positive and negative numbers. Negative numbers go on the left of the balance, and positive numbers go on the right.



Find −11 + 8.

The scale will tip to the left side because the sum of −11 and +8 is negative.

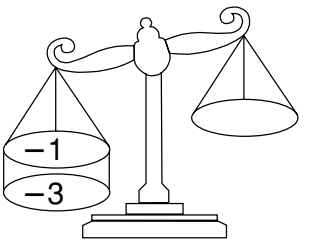
−11 + 8 = −3



Find −2 + 7.

The scale will tip to the right side because the sum of −2 and +7 is positive.

−2 + 7 = 5



Find −1 + (−3).

Both −1 and −3 go on the left side. The scale will tip to the left side because the sum of −1 and −3 is negative.

−1 + (−3) = −4

Find 3 + (−9).

1. Should you add or subtract? _____

2. Will the sum be positive or negative? _____

3 + (−9) = −6

the sign of the integer with the greatest absolute value

|9| − |3|

Find −5 + (−8).

3. Should you add or subtract? _____

4. Will the sum be positive or negative? _____

5. −5 + (−8) = _____

Add.

6. 7 + −3 = _____ **7.** −2 + −3 = _____ **8.** −5 + 4 = _____

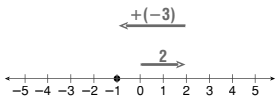
9. −3 + −1 = _____ **10.** −7 + 9 = _____ **11.** 4 + −9 = _____

Copyright © by Holt, Rinehart and Winston.
All rights reserved.

LESSON 2-2 Practice A
Adding Integers

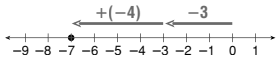
Show the addition on the number line. Then write the sum.

1. 2 + (−3)



−1

2. −3 + (−4)



−7

Find each sum.

3. −4 + (−9) −13

4. 7 + (−8) −1

5. −2 + 1 −1

6. 6 + (−9) −3

7. 5 + 7 12

8. 9 + (−5) 4

9. (−1) + 9 8

10. −9 + (−7) −16

11. 2 + (−7) −5

12. −6 + (−4) −10

13. 3 + 2 5

14. −2 + 6 4

Evaluate *e* + *f* for the given values.

15. *e* = 9, *f* = −2 7

16. *e* = −4, *f* = −6 −10

17. *e* = 6, *f* = −1 5

18. *e* = −3, *f* = 2 −1

19. *e* = 8, *f* = −6 2

20. *e* = −2, *f* = −3 −5

21. The temperature dropped 13°F in 7 hours. The final temperature was −2°F. What was the starting temperature?

11°F

22. A football team gains 8 yards in one play, then loses 5 yards in the next. What is the team's total yardage?

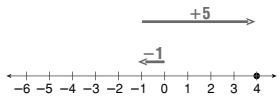
3 yards

Copyright © by Holt, Rinehart and Winston. All rights reserved.

LESSON 2-2 Practice B
Adding Integers

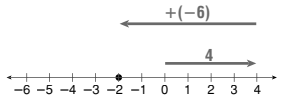
Use a number line to find each sum.

1. −1 + 5



4

2. 4 + (−6)



−2

Find each sum.

3. −51 + (−9) −60

4. 27 + (−6) 21

5. 1 + (−30) −29

6. 15 + (−25) −10

7. 50 + (−7) 43

8. −19 + (−15) −34

9. (−23) + 9 −14

10. −19 + (−21) −40

11. −17 + 11 −6

12. 20 + (−8) 12

13. (−15) + (−7) −22

14. 12 + (−14) −2

Evaluate *e* + *f* for the given values.

15. *e* = 9, *f* = −24 −15

16. *e* = −17, *f* = −7 −24

17. *e* = 32, *f* = −19 13

18. *e* = −15, *f* = −15 −30

19. *e* = −20, *f* = 20 0

20. *e* = −30, *f* = 12 −18

21. The temperature rose 9°F in 3 hours. If the starting temperature was −5°F, what was the final temperature?

4°F

22. Matt is playing a game. He gains 7 points, loses 10 points, gains 2 points, and then loses 8 points. What is his final score?

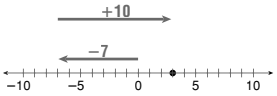
−9 points

Copyright © by Holt, Rinehart and Winston. All rights reserved.

LESSON 2-2 Practice C
Adding Integers

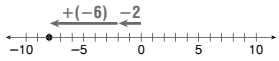
Use a number line to find each sum.

1. −7 + 10



3

2. −2 + (−6)



−8

Find each sum.

3. −45 + 9 −36

4. 37 + (−60) −23

5. −11 + 40 29

6. 95 + (−25) 70

7. 56 + (−37) 19

8. −79 + (−15) −94

9. (−63) + 49 −14

10. −49 + (−47) −96

Evaluate each expression for *a* = −15, *b* = −8, and *c* = 6.

11. 14 + *b* 6

12. *c* + (−8) −2

13. *a* + *b* −23

14. *c* + 5 + *a* −4

Evaluate *e* + *f* for the given values.

15. *e* = 90, *f* = −52 38

16. *e* = −57, *f* = −23 −80

17. *e* = −61, *f* = 32 −29

Compare. Write <, >, or =.

18. 25 + (−25) [=] 0

19. 32 + (−19) [>] −51

20. 24 + (−42) [<] 66

21. The temperature dropped 10°F in 5 hours. If the starting temperature was 9°F, what was the final temperature?

−1°F

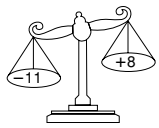
22. The closing price of a stock gained 2 points on Monday, lost 5 points on Tuesday, lost 1 point on Wednesday, gained 4 points on Thursday, and lost 6 points on Friday. What was the net gain or loss for the week?

−6 points or a loss of 6 points

Copyright © by Holt, Rinehart and Winston. All rights reserved.

LESSON 2-2 Reteach
Adding Integers

This balance scale "weighs" positive and negative numbers. Negative numbers go on the left of the balance, and positive numbers go on the right.



Find −11 + 8.

The scale will tip to the left side because the sum of −11 and +8 is negative.

−11 + 8 = −3

Find −2 + 7.

The scale will tip to the right side because the sum of −2 and +7 is positive.

−2 + 7 = 5

Find −1 + (−3).

Both −1 and −3 go on the left side. The scale will tip to the left side because the sum of −1 and −3 is negative.
−1 + (−3) = −4

Find 3 + (−9).

1. Should you add or subtract? subtract

2. Will the sum be positive or negative? negative

3 + (−9) = −6

the sign of the integer with the greatest absolute value

|9| − |3|

Find −5 + (−8).

3. Should you add or subtract? add

4. Will the sum be positive or negative? negative

5. −5 + (−8) = −13

Add.

6. 7 + −3 = 4

7. −2 + −3 = −5

8. −5 + 4 = −1

9. −3 + −1 = −4

10. −7 + 9 = 2

11. 4 + −9 = −5

Copyright © by Holt, Rinehart and Winston. All rights reserved.

Copyright © by Holt, Rinehart and Winston.