Name _____ Date _____ Class _____

LESSON
1-5

Review for Mastery
Adding Integers

You can model integer addition using two-color counters. Use the yellow side for 1 and the red side for –1. Remember that one yellow counter and one red counter are opposites, so their sum is zero.

7 + 5 =   = 12 yellow counters = 12

7 + (–5) =   = 2 yellow counters = 2

–7 + (–5) =   = 12 red counters = –12

–7 + 5 =   = 2 red counters = –2

If the given integers were added, state whether the result would be positive or negative.

1. –4 + (–6)   2. –3 + 8   3. –5 + 2

_____   _____   _____

Notice if the counters are the same color, you add the absolute values of the integers. The answer is the sign of the integers. If the counters are both colors, you subtract the absolute values of the integers. Use the sign of the integer with the greater absolute value.

To add the given integers, state whether you need to add or subtract absolute values.

4. 8 + 3   5. –4 + (–1)   6. 3 + (–6)

_____   _____   _____

Complete to find each sum.   7. 5 + (–9) = ?   8. –6 + (–4) = ?

Are the signs the same or different?   _____   _____

Which sign will you use for the sum?   _____   _____

Will you add or subtract absolute values?   _____   _____

Write the sum.   _____   _____

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9. –5   10. 14
11. –47   12. 0
13. 24   14. 8
15. 4   16. –25
17. $515   18. –8ºF

Review for Mastery

1. negative   2. positive
3. negative   4. add
5. add   6. subtract
7. different; negative; subtract; –4
8. same; negative; add; –10

Challenge

A. 3

B.

6	–1	4
1	3	5
2	7	0

9

C.

9	2	7
4	6	8
5	10	3

18

D.

1	–6	–1
–4	–2	0
–3	2	–5

–6

When *n* is added to each integer of Magic Square A, then 3*n* is added to its magic sum.

3 + (–18) = –15

E.

–2	–9	–4
–7	–5	–3
–6	–1	–8

–15

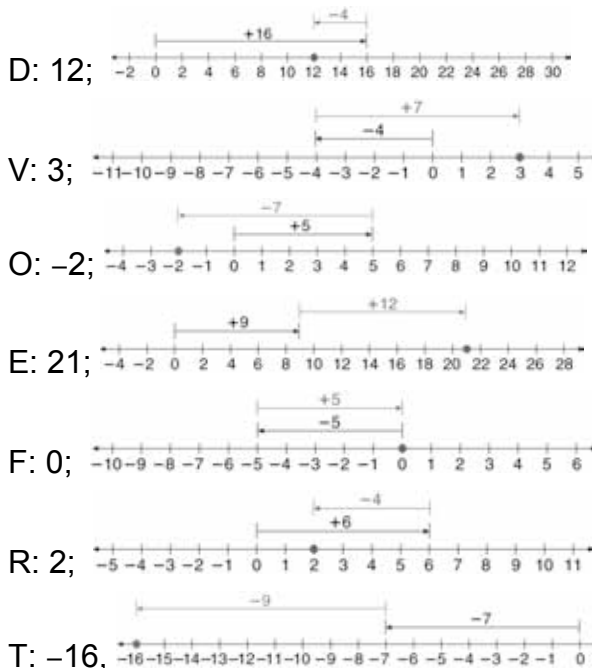## Problem Solving

1. –5, +1, +1, –8   2. –11
3. 11 under par   4. C
5. F   6. D
7. G

Reading Strategies

1. possible answer: whole numbers and their opposites
2. negative 12   3. –8
4. at zero   5. to the right
6. to the left

Puzzles, Twisters & Teasers

D: 12;

V: 3;

O: –2;

E: 21;

F: 0;

R: 2;

T: –16,

VERY FAST FOOD

LESSON 1-6

Practice A

1. 3   2. –1
3. –4   4. –3
5. 1   6. –3
7. 5   8. –7
9. 7   10. –14
11. –16   12. 14
13. 8   14. 61

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