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ISSUE DATES	9/2	9/16	10/7	10/28	11/18	12/9	1/13	2/3	3/3	3/24	4/14	5/5
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**SKILLS GUIDE**

SKILLS	FEATURES	COMMON CORE STANDARDS	ONLINE MATERIALS: <a href="http://www.scholastic.com/math">www.scholastic.com/math</a>
DATA ANALYSIS	Recovering From Sandy, p. 4	Measurement & Data, The Number System, Geometry	<ul style="list-style-type: none"> <li>Download a skills sheet</li> <li>Download a map</li> </ul>
READING A LINE GRAPH	Sun-Fueled Flight, p. 6	Measurement & Data, The Number System, Statistics & Probability	<ul style="list-style-type: none"> <li>Download a skills sheet</li> <li>Watch a video</li> </ul>
AREA	Money Measures, p. 8	The Number System, Expressions & Equations, Geometry	<ul style="list-style-type: none"> <li>Download two differentiated skills sheets</li> <li>Watch an instructional video</li> </ul>
STATISTICS	Stop Bullying, p. 10	Measurement & Data, Ratios & Proportional Relationships, The Number System, Statistics & Probability	<ul style="list-style-type: none"> <li>Watch a video</li> </ul>
ADD & SUBTRACT INTEGERS	Teen Golf Prodigy, p. 12	The Number System	<ul style="list-style-type: none"> <li>Download a skills sheet</li> </ul>
FINANCIAL LITERACY	Signs of Success, p. 14	Ratios & Proportional Relationships, The Number System	<ul style="list-style-type: none"> <li>Download a skills sheet</li> </ul>
METRIC MEASURES	Jennette's Back, p. 16	Measurement & Data, The Number System	<ul style="list-style-type: none"> <li>Play a game</li> </ul>

## COVER

### Hurricane Sandy

44% of the storm's total damage happened in New Jersey.

## PAGES 2-3

### Numbers in the News

#### • MONEY MAKEOVER

Those \$100 bills are worth \$82,000,000,000.

#### • QUACK!

Hofman's giant duck is about 185 times as tall as a typical rubber ducky.

#### • BUG BATTLE

The ladybugs could eat 37,800,000 aphids in a week.

#### • DO THE MATH!

The altitude of the airplane was 39,000 feet.

## PAGE 4

### Recovering From Sandy

1. 10.1 degrees
2. 8.1 degrees
3. longitude
4. 10/29/12
- 5a. 125 mph
- 5b. 75 mph

## PAGE 6

### Sun-Fueled Flight

- 1a. 15 kW
- 1b. 15,000 feet
2. 6-9 p.m.
- 3a. 8 a.m.-6 p.m.
- 3b. about 23,000 feet (accept

reasonable answers ranging from 21,000 feet to 24,000 feet)

4. 5,000 feet, 8 kW
- 5a. 9:30 p.m.-1:30 a.m.
- 5b. it decreases

## PAGE 8

### Money Measures

1. 1.75 square inches
- 2a. 1.69 square inches
- 2b. 6.76 square inches
3. 0.633 square inches
- 4a. 0.4775 inches
- 4b. 0.7159 square inches
5. Answers will vary and may include so people can tell coins of different values apart easily and so that coins from different countries are easily distinguishable.

## PAGE 10

### Stop Bullying

1. A 2. C 3. D
4. C 5. A 6. B
7. 8 students
8. 27.4 percentage points greater
9. 2001, 2005, 2007, 2011
10. 2001 and 2003

## PAGE 12

### Teen Golf Prodigy

Completed Score Cards:

		FRONT NINE HOLES							
Hole Number	1	2	3	4	5	6	7	8	9
Par	4	5	4	3	4	3	4	5	4
Guan's strokes	5	5	3	3	4	3	5	5	5
Score for hole	+1	0	-1	0	0	0	+1	0	+1
Total Score	+1	+1	0	0	0	0	+1	+1	+2

  

		BACK NINE HOLES							
Hole Number	10	11	12	13	14	15	16	17	18
Par	4	4	3	5	4	5	3	4	4
Guan's strokes	3	5	3	4	5	5	3	4	3
Score for hole	-1	+1	0	-1	+1	0	0	0	-1
Total Score	+1	+2	+2	+1	+2	+2	+2	+2	+1

- 1a. 73
- 1b. 72
- 1c. +1
2. 9 holes
3. 3, 10, 13, 18
4. 1, 7, 9, 11, 14
5. no

## PAGE 14

### Signs of Success

1. \$1,000,000
- 2a. 17 hours, 30 minutes
- 2b. \$5.74
3. 40%
4. 0.004%
5. Answers will vary.

## BACK PAGE

### Jennette's Back

1. B
2. A
3. A
4. B
5. A

*To find the answers online, click on "Teaching Resources."*

## TG PAGE 7

### Skills Review

1. B
2. 0.5473 square inches
3. 1.602 inches
4. -5
5. liters
6. meters = kilometers x 1,000
7. A
8. C
9. latitude
10. 1.5 inches

## TG PAGE 10

### Recovering From Sandy

1. 13.4 degrees
2. latitude
3. 8/28/05
4. Katrina's highest wind speed was 70 mph higher than Sandy's.
5. 10/29/12

*To find the answers online,  
click on "Teaching Resources."*

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