



MATH

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ISSUE DATES	9/3	9/17	10/8	10/29	11/19	12/10	1/14	2/4	3/4	3/25	4/15	5/6
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SKILLS GUIDE

FEATURES	MAJOR FOCUS	COMMON CORE STANDARDS	ONLINE MATERIALS: www.scholastic.com/math
WORD PROBLEMS Bull's-Eye!, p. 4	Word problems	• Measurement & Data, The Number System	• Download a skills sheet
FRACTIONS Koala Crisis, p. 6	Fractions	• Measurement & Data, The Number System	• Watch a video • Download a skills sheet
RATE Thinking Big and Flying High, p. 8	Rate	• Measurement & Data, Ratios & Proportional Relationships, The Number System, Expressions & Equations	• Watch a video • Download a skills sheet
SCALE Mammoth Marionettes, p. 10	Scale	• Measurement & Data, Ratios & Proportional Relationships, The Number System, Expressions & Equations	• Watch a video • Download two differentiated skills sheets • Download a skills sheet
STATISTICS Civil War Stats, p. 12	Statistics	• Measurement & Data, The Number System, Statistics & Probability	• Watch a video
READING A STACKED BAR GRAPH The Music Industry Changes Its Tune, p. 14	Reading a stacked bar graph	• Measurement & Data, The Number System, Statistics & Probability	• Download a skills sheet
POSITIVE & NEGATIVE INTEGERS Spooky Cinema, p. 16	Multiplying and dividing positive and negative integers	• The Number System, Expressions & Equations	

LISTS OF ONLINE RESOURCES ON PAGE T8



Answers

COVER: ARCHERY MANIA!

USA Archery's website had an average of about 822 visitors per day in February.

PAGE 2: NUMBERS IN THE NEWS

Swirling Currents

Three knots equals about 3.453 miles.

Giant George

George is 7 feet 3 inches tall when on his hind legs.

Money for Masks

The winning bid was 268.4 times greater than the opening bid.

Fast Math

198 venues in the U.K. were used to break the record for the most people blowing bubbles simultaneously.

PAGE 4: BULL'S-EYE!

- 1a. 80 1b. 8
 2. at least 6 arrows 3. 28 arrows
 4. at least 115 points 5. 100 points

PAGE 6: KOALA CRISIS

1. 4,000 koalas 2a. $\frac{1}{2}$ 2b. $\frac{1}{3}$
 3. 1,700 koalas 4a. 8 years
 4b. 1,045 koalas 5. 2 koalas

PAGE 8: THINKING BIG...

- the helicopter by about 0.413 mile
- about 10 times faster
- 8 hours, 45 minutes
- 1 hour, 46 minutes
- 1 minute, 3 seconds

PAGE 10: MAMMOTH MARIONETTES

1. $\frac{4}{7}$ 2. 51 feet 3. 1 foot, 6 inches
 4. $\frac{25}{3}$ 5. 3 feet, 6 inches

PAGE 12: CIVIL WAR STATS

1. A 2. B 3. D 4. A 5. B 6. C
 7. $\frac{2}{15}$ 8. World War II 9. 345,489
 10. $\frac{3}{100}$

PAGE 14: THE MUSIC INDUSTRY...

1. 2011 2a. about 320 million
 2b. about 100 million 3. about 50 million
 4. $\frac{877}{10,000}$ 5. $\frac{291}{16,000}$

PAGE 16: SPOOKY CINEMA

- A. 132 B. -280 C. 5
 D. -8 E. 164 F. 112 G. -85
 Tim Burton says, "In school you feel like you're the only weirdo in class, when in... FACT THAT'S PRETTY MUCH

HOW EVERYBODY FEELS."

TE 6: MORE MATH PP 4-5

1. 75 times 2. Shelby 3. 71 4. 12
 5. 27 bull's eyes plus outer black ring

TE 7: SKILLS REVIEW

1. B 2. 17 points
 3. rate = distance \div time
 4. 86 5. 1,680.25 miles
 6. about 4.3 knots
 7. D 8. 4.5 feet 9. C 10. $\frac{2}{3}$

At www.scholastic.com/math, click on "Skills Sheets" to download:

- An issue skills-review quiz
- "More Math!" questions for pages 4-5, 6-7, 8-9, 10-11, and 14-15
- Basic and advanced differentiated-instruction activities related to "Mammoth Marionettes" on pages 10-11

For the answers, click on "Teaching Resources."


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- Instructional Videos teach a step-by-step math lesson.
- Background Videos give real-world and cross-curricular tie-ins.
- Math Games
- Narrated Article: One article in each issue features an audio narration.
- Facebook: Follow Scholastic Teachers at www.facebook.com/ScholasticTeachers for a weekly "Numbers in the News" article.

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LIVE Virtual Visit with J.K. Rowling

Thursday, October 11th, 2012
 9:00 A.M. PT/12:00 P.M. ET

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