



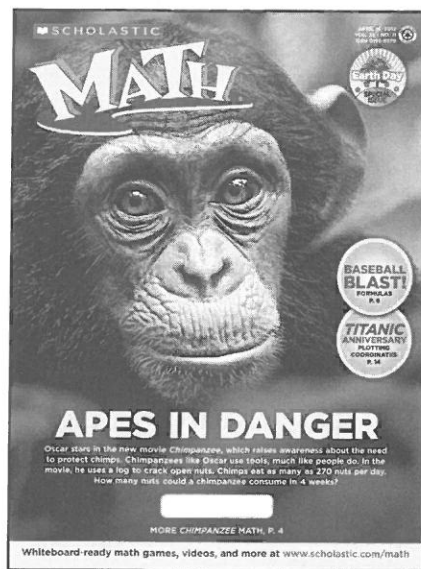
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Spring is here! This month's *Scholastic MATH* issue has an Earth Day theme. The issue covers a variety of math skills you've asked for: formulas, graphing and plotting, and statistics. Students will be engaged by stories like the one about DisneyNature's new movie, *Chimpanzee*; discover how animal droppings may one day be used as a fuel source; find out how to graph the path of a baseball and plot shipwrecks throughout history; and more!

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SKILLS GUIDE

ARTICLE	MAJOR FOCUS	SUPPLEMENTARY SKILLS	NCTM STANDARDS	COMMON CORE STANDARDS
ACTIVITY: Cover Apes in Danger	Time computation	• Whole number \times • Word problem	1, 8, 9	NS
FAST MATH: p. 2	Mixed skills	• Whole number \times , $+$, surface area of a sphere, measurement	1, 3, 4, 6, 8, 9	MD, NS, G
READING A BAR GRAPH Plight of the Chimpanzee, p. 4	Reading a bar graph	• Calculating percents • Money \times	1, 4, 5, 8, 9, 10	MD, RP, NS, SP
FORMULAS Baseball Blast!, p. 6	Formulas	• Exponents • Filling in a chart	1, 2, 4, 5, 6, 8, 9, 10	MD, NS, E, SP, F
WORD PROBLEMS Poop Power!, p. 8	Word problems	• Whole number \times , $+$ • Reading for detail	1, 4, 6, 7, 8, 9, 10	MD, RP, NS
CHARTS & GRAPHS Earth Day Stats, p. 10	Statistics	• Time computation • Reading for detail	1, 4, 6, 8, 9, 10	MD, NS, SP
EQUIVALENT MEASURES Growing Up, p. 12	Equivalent measures	• Whole number $+$, $-$, \times , \div	1, 4, 6, 8, 9	MD, NS
PLOTTING COORDINATES Disasters at Sea, p. 14	Plotting coordinates	• Latitude and longitude • Cardinal directions	1, 6, 7, 8, 9, 10	MD, F
+/- INTEGERS Drew's Positive . . . , p. 16	$+/- \times, \div$	• Whole number \times, \div	1, 8	NS

LISTS OF STANDARDS ON PAGE T4



ANSWERS

COVER: APES IN DANGER

A chimpanzee can consume 7,560 nuts in a week.

PAGE 2: FAST MATH

✓ Bright Festival

An American home uses 11.5 kWh more energy in a day.

✓ It's a Small World

The surface area is 50.24 cm.

✓ Extinct? No Way!

The area of the forest is 380 million square meters.

PAGE 4: PLIGHT OF THE CHIMP...

- | | |
|-----------|-------------------------|
| 1. bonobo | 4. $\frac{77}{162,500}$ |
| 2. 28% | 5a. \$30,000 |
| 3. 66% | 5b. \$57,000 |

PAGE 6: BASEBALL BLAST!

- 248 feet
- 25.6 feet
- 31.275 feet
- No
- Yes

x (feet)	y (feet)
0	0
62	18.475
124	28.9
186	31.275
248	25.6
310	11.875
341	1.99375

PAGE 8: POOP POWER!

- 37.5 times
- 47,666,666,700
- 617,400,000 gallons
- 1,008 gallons
- 18.4 gallons

PAGE 10: EARTH DAY STATS

- C
- D
- D
- B
- A
- B
- about 57,321 people
- industry
- Texas and Louisiana
- Answers will vary

PAGE 12: GROWING UP

- 1,200 times
- 10 inches
- 169 more pounds
- 1,500 times
- 30 feet

PAGE 14: DISASTERS AT SEA

Visit our Web site for an interactive map.

- S.S. *Sultana*
- Mary Rose* and *Mahomed Shah*
- Mary Rose*
- Southeast
- 4

PAGE 16: DREW'S POSITIVE ...

- | | | | |
|---------|-------|--------|-------|
| A. 140 | C. 13 | E. 123 | G. 85 |
| B. -156 | D. -8 | F. 45 | |

Cindy says, "Maybe IT WAS I WAS REALLY HALF WHALE."

GET ONLINE REPRODUCIBLES!

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

- An issue skills-review quiz
- "More Math!" questions for pages 4–5, 8–9, 12–13, and 14–15
- Basic and advanced differentiated-instruction activities related to "Baseball Blast!" on pages 6–7

For the answers, click on "Teaching Resources."

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Common Core State Standards for Mathematics

- | | |
|---|------------------------------------|
| MD Measurement and Data | G Geometry |
| RP Ratios & Proportional Relationships | SP Statistics & Probability |
| NS The Number System | F Functions |
| EE Expressions & Equations | |

To see the specific standards for your grade level, visit www.corestandards.org/thestandards/mathematics

NCTM Middle School Curriculum Standards

- | | |
|--------------------------------|------------------------|
| 1. Numbers and Operations | 6. Problem Solving |
| 2. Algebra | 7. Reasoning and Proof |
| 3. Geometry | 8. Communication |
| 4. Measurement | 9. Connections |
| 5. Data Analysis & Probability | 10. Representation |

For more detailed information about the National Council of Teachers of Mathematics Standards, visit www.nctm.org/standards/

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