



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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Use MATH to Make Real-World Connections

This issue of Scholastic *MATH* is packed full of the math skills you've told us you need to help you meet the new Common Core standards: geometry, statistics, measurements, and more!

This issue is full of nonfiction math connections to engage students with real-world math. For example, our cover story is about the engineering behind imploding bridges and buildings.

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SKILLS GUIDE

FEATURES	MAJOR FOCUS	COMMON CORE STANDARDS	ONLINE MATERIALS: www.scholastic.com/math
CONSUMER MATH Canine Cable, p. 4	Money math	• Measurement & Data, The Number System	• Download a skills sheet
STATISTICS Thanksgiving Stats, p. 6	Statistics	• Measurement & Data, The Number System, Ratios & Proportional Relationships, Expressions & Equations, Statistics & Probability	• Watch a video
AREA OF A CIRCLE Elephant Eye Exam, p. 8	Area of a circle	• Measurement & Data, Ratios & Proportional Relationships, The Number System, Expressions & Equations, Geometry	• Download two differentiated skills sheets • Watch an instructional video
READING A LINE GRAPH Where'd Everybody Go? p. 10	Reading a line graph	• Measurement & Data, Ratios & Proportional Relationships, The Number System	• Download a skills sheet
FORMULAS Kaboom! p. 12	Using a formula	• Measurement & Data, Ratios & Proportional Relationships, The Number System, Expressions & Equations	• Watch a video • Download a skills sheet
DATA ANALYSIS: RATE OF CHANGE Beach Bummer, p. 14	Rate of change	• Measurement & Data, The Number System, Ratios & Proportional Relationships, Expressions & Equations	• Download a skills sheet
DIVIDING DECIMALS Dividing With Kristen, p. 16	Dividing decimals	• The Number System, Expressions & Equations	• Play a game

LIST OF ONLINE RESOURCES ON PAGE T8



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Answers

COVER: BOOM GOES THE ...

Seventy-five hotels will be imploded if the rate stays the same.

PAGE 2: NUMBERS IN THE NEWS

Tiny New Friend

A female gorilla weighs about 200 pounds.

Blue Lobster

There are likely to be 30 blue lobsters among 60 million.

A Giant Fan

Joe received \$1.64 more money from Jacobs.

Do the Math!

The record for most surfboards stacked on top of a car is 282.

PAGE 4: CANINE CABLE

- \$59.88
- \$494.99
- \$934.88
- a. \$250 less b. \$309.88 less
- No, you would need \$4.23 more a week.

PAGE 6: THANKSGIVING STATS

- B
- B
- C
- C
- C
- D
- SpongeBob SquarePants
- 65,968 feet³
- 92,480 feet³
- 20%

PAGE 8: ELEPHANT EYE EXAM

- 11.3354 cm²
- 1,133.54 mm²
- 254.34 mm²
- 10 mm
- 20 mm

PAGE 10: WHERE'D EVERYBODY ...

- 67,750 fans 1b. 65,000 fans
- 16.25 million viewers
- 17.9 million viewers
- 1,650 fewer fans
- 2 million viewers higher
- About 17,435,250 people
- decreased about the same amount (1,150)

PAGE 12: KABOOM!

- 0.48 cc
- 56,000,000 W/cc
- 2 million more W/cc
- 135 pounds
- 0.00000012 seconds
- 1,510.8 pounds
- 76,000,000,000 W/cc stronger

PAGE 14: BEACH BUMMER

- Maui
- 68,983.5 meters
- 56,983 meters
- 1,875,000 years
- 0.18 m/yr

PAGE 16: DIVIDING WITH KRISTEN

- A
- B
- B
- A
- A

T6: MORE MATH, PP 4-5

- \$959.88
- 5%
- \$374 more
- 7%
- higher by 1 percentage point
- DogTV, \$1,859.88

T7: SKILLS REVIEW

- B
- 42 more
- 1,808.64 cm²
- 6
- yes
- \$15 per dog
- C
- watts per cubic centimeter
- A
- 4

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

- An issue skills-review quiz
- "More Math!" questions for pages 4-5, 10-11, 12-13, and 14-15
- Basic and advanced differentiated-instruction activities related to "Elephant Eye Exam" on pages 8-9

For the answers, click on "Teaching Resources."

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- Background Videos give real-world and cross-curricular tie-ins.
- Math Games
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