

DynaMath

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TEACHER'S GUIDE

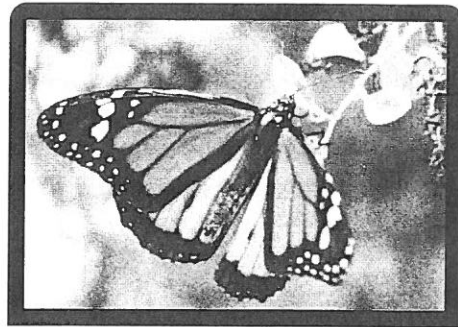
SEPT	OCT	NOV/DEC	JAN	FEB	MAR	APR	MAY/JUNE
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Registration is now required to access your online resources.
www.scholastic.com/dynamath Your access code: decimal

See you next year!

Summer is almost here, and we hope that you've had as much fun using *DynaMath* as we've had producing it. Our creative juices are already flowing with ideas for exciting, real-world math articles for next year. Your students will create fractions using emojis and practice multiplication diagrams related to baby sea otters. They'll even share in the adventures of a *DynaMath* editor as she voyages into the deep ocean in the submersible *Alvin* (at left). We've also got fascinating ideas for more differentiation, more video lessons, and more games! Visit us here if you haven't renewed already:

www.scholastic.com/buy-dynamath



FEATURE VIDEO:
Life of a Butterfly

SKILLS AND STANDARDS

PAGE	SKILL & ARTICLE TITLE	COMMON CORE STATE STANDARD	ONLINE MATERIALS www.scholastic.com/dynamath
4	MIXED SKILLS Kayak Queen	Measurement and Data: Represent and interpret data; classify and measure angles.	Skills Sheet: What's That Score? Video: See Sage in Action
8	RATIOS Movie Makeover	Ratios and Proportional Relationships: Understand ratio concepts and use ratio reasoning.	Skills Sheet: Ratio Relationships Video: What's a Ratio? Video: Meet the <i>Minions</i> Game: Movie Madness
10	FINANCIAL LITERACY Butterfly Bonanza	Operations and Algebraic Thinking: Analyze patterns and relationships.	Skills Sheet: Choose the Equation Video: Life of a Butterfly
12	RATE EXPRESSIONS Picture-Perfect Waves	Operations and Algebraic Thinking: Write and interpret numerical expressions.	Skills Sheet: Words for Solving
14	MEASUREMENT The Perfect Pizza	Measurement and Data: Solve problems involving measurement.	Skills Sheet: Temperature Conversion



Video



Game



Skills Sheet

ANSWER KEY



Log onto www.scholastic.com/dynamath and click on the "Teaching Resources" button to download this issue's answer keys.

PAGES 2-3: Numbers in the News

"LONGEST" HOLIDAY: 15 hours, 6 minutes

HOW MANY LICKS? 20,000 licks

SENSATIONAL SAND CASTLE: 41 feet, 4 inches

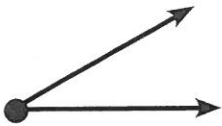
PAGES 4-7: Kayak Queen

CHART COMPUTATION

- 400 points
- 50 points
- 255 points
- Sage's competitor by 35 points
- Two answers are acceptable. Sage should attempt either the Tricky Woo or the Lunar Orbit. Doing either trick cleanly with air are the only tricks on the chart capable of giving her the 250 points she needs.

ANGLES

1a. Answers will vary. One example:



1b. acute

2a. The middle angle (70°) should be circled.

2b. acute

3a.



3b. obtuse

PAGES 8-9: Movie Makeover

Please accept all correct forms of ratio notation.

- For each upgrade theater, AMC has 6 standard theaters.
- 1.36:1
- 1:2
- 19:42
- 2:3

PAGES 10-11:

Butterfly Bonanza

- | | |
|------------------|----------------------|
| 1. \$223.75 | 3b. \$18,750 |
| 2a. luna moth | 3c. \$16,250 |
| 2b. painted lady | 4. \$21,000 |
| 3a. \$35,000 | 5. 4,200 butterflies |

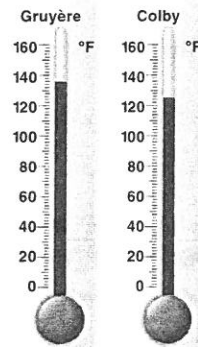
PAGES 12-13: Picture-Perfect Waves

- $4 \text{ hours/day} \times 4 \text{ days/week} \times 52 \text{ weeks/year}$
(832 hours/year)
- $2 \text{ hours/day} \times 5 \text{ days/week} \times 4 \text{ weeks/month}$
(40 hours/month)
- $5 \text{ frames/second} \times 4 \text{ seconds/wave}$
 $\times 5 \text{ waves}$ (100 frames)
- $11 \text{ frames/second} \times 6 \text{ seconds/wave} \times 10$
waves (660 frames)
- $4 \text{ frames/second} \times 8 \text{ seconds/animal} \times (2 + 3 \text{ animals})$ (60 frames)

PAGES 14-15: The Perfect Pizza

1. Gruyère

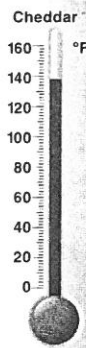
2a.



2b. 11°

3. Provolone

4.



5a. Mozzarella, colby, edam; 5b. Provolone; 5c. 4

PAGE 16: The Puzzle Page

MATH MASTER

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

MATH BLOOPER: Ballpark Frank multiplied incorrectly. He needs 6 packs of hot dogs, not 7. He bought one package of hot dogs too many.

BRAINTEASER: 11 times

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