



DynaMath

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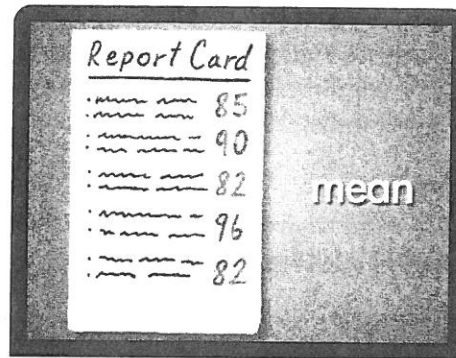
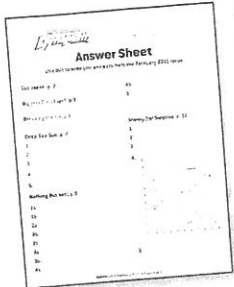
February 2015
TEACHER'S GUIDE

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

Writing (about math) made easy!

For many learners, writing about a subject helps solidify understanding. We wonder: Why should math be left out of this important benefit? Writing about math is a great way for students to explain their thinking, debate problem-solving methods, and share strategies. In the pages of *DynaMath*, we try to incorporate writing questions as often as possible. To help you grade students' answers, we created a downloadable answer sheet that's tailored to each issue of *DynaMath*. Check it out at www.dynamath.scholastic.com.



FEATURE VIDEO:
Mean, Median, and Mode

SKILLS AND STANDARDS

PAGE	SKILL & ARTICLE TITLE	COMMON CORE STATE STANDARD	ONLINE MATERIALS www.scholastic.com/dynamath
4	MEASUREMENT Deep-Sea Suit	Measurement and Data: Represent measurement quantities using diagrams.	Skills Sheet: Solving Word Problems Video: Deep-Sea Suit
8	MEAN, MEDIAN, MODE Nothing But Net!	Statistics and Probability: Give quantitative measures of center.	Skills Sheet: Working With Data Sets Video: Mean, Median, and Mode Game: Free-Throw Challenge
10	COORDINATE GRID Snowy Owl Surprise	Geometry: Graph points on the coordinate plane to solve real-world and mathematical problems.	Skills Sheet: Four-Quadrant Coordinate Grid Video: Snowy Owls
12	POSITIVE AND NEGATIVE NUMBERS The World's Quietest Room	The Number System: Extend previous understandings to rational numbers.	Skills Sheet: Positive and Negative Numbers Video: Quiet Room
14	CONVERSION TABLES Mutts Try for Top Dog	Measurement and Data: Record measurement equivalents in a two-column table.	Skills Sheet: Function Tables



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

ZOO JEANS: \$1,494

WORLD'S BIGGEST DINO?: False

BREAKING THE ICE: About 35°

PAGES 4-7: Deep-Sea Suit

1. 37 hours
2. 265 meters
3. April
4. 86 meters
5. 4.494 meters


PAGES 8-9: Nothing But Net!

- 1a. 7
- 1b. There is no mode.
- 2a. 6
- 2b. 7 and 2
- 3a. 5
- 3b. 5.5
- 4a. 7.5
- 4b. 8.25
5. Answers will vary. All of the numbers in the set need to add up to 20. For 4 to be the middle number and 2 the mode, the last two numbers must add up to 12. One possible answer: 2, 2, 4, 5, 7.

PAGES 10-11: Snowy Owl Surprise

1. E
2. {4, 9}
3. A, B, and C
4. An "X" should be drawn at {3, 6}
5. 4 units

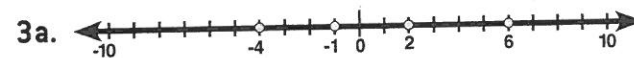
PAGES 12-13: The World's Quietest Room

- 1a. left
- 1b. 

1c. Zero represents no sound and the dividing line between positive and negative integers.

- 2a. 

- 2b. -5
- 2c. -5 is less than -3 because it is farther away from 0 on the left side.

- 3a. 

- 3b. 6, 2, -1, -4

- 4a. 

- 4b. 13
- 4c. Both -13 and 13 are 13 spaces away from zero.
- 5a. No; Orfield labs is quieter.

- 5b. 

PAGES 14-15: Mutts Try for Top Dog

1a.

HOURS	MINUTES
1	60
2	120
3	180
4	240
5	300

← 125

- 1b. between 2-3 hours
- 1c. About 4 hours

2a.

HOURS	MINUTES
1	60
2	120
3	180
4	240
5	300

- 2b. 2 minutes
- 2c. multiply the number of minutes by 60.
- 3a. 15.8 seconds (rounded to the nearest tenth)

3b.

HOURS	MINUTES
6	360
7	420
8	480
9	540
10	600

- 3c. 473.9 seconds
- 3d. between 7 and 8 minutes

4a.

HOURS	MINUTES
1	24
2	48
3	72
4	96
5	120

- 4b. 96 hours
- 4c. Multiply the number of days by 24.

5a.

HOURS	MINUTES
1	365
2	730
3	1,095
4	1,460
5	1,825

- 5b. 1,277.5 days
- 5c. Multiply the number of days by 365.

PAGE 16: The Puzzle Page

MATH MASTER

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

MATH BLOOPER: Hal made an incorrect mixed number. He needs $6\frac{2}{3}$ potatoes, not $6\frac{1}{3}$.

BRAINTEASER:

