



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**

Do (and teach) math with confidence!

When my friend Tara Welty, the editor of Scholastic's *Instructor* magazine, told me her staff was working on an article about the anxiety some students experience when doing math, I offered my full support. "But don't forget the math jitters that some teachers experience too!" I



reminded her. Math is like a special language that takes practice, time, and patience to master. Math confidence doesn't happen overnight. But by using *DynaMath* and practicing the tips in *Instructor*, you and your students can take a major step toward feeling comfortable with math. Check out *Instructor*'s story at:

www.scholastic.com/teachers/instructor.



JEREMY WOODHOUSE/PHOTODISC/GETTY IMAGES



FEATURE VIDEO:
Mountain Hunters

SKILLS AND STANDARDS

PAGE	SKILL & ARTICLE TITLE	COMMON CORE STATE STANDARD	ONLINE MATERIALS www.scholastic.com/dynamath
4	ANALYZING DATA TRENDS Secrets of the Hunt	Measurement and Data: Represent and interpret data.	Skills Sheet: Coordinate Grid Stories Video: Mountain Hunters
8	MULTIPLICATION AND DIVISION Catching a Comet	Number and Operations in Base 10: Add, subtract, multiply, and divide decimals.	Skills Sheet: Dividing Decimals Video: Catching a Comet
10	MEASURING ANGLES Home Sweet (Tiny) Home!	Geometry: Classify and measure angles.	Skills Sheet: Working With Angles
12	ORDERING FRACTIONS Sea Turtle Rescue	Number and Operations—Fractions: Add and subtract fractions.	Skills Sheet: Fractions on a Number Line Video: Comparing and Ordering Fractions Game: Ordering Fractions
14	MULTISTEP PROBLEMS All Dried Up	Operations and Algebraic Thinking: Write and interpret numerical expressions.	Skills Sheet: More Multistep Problems Video: Where's the Water?



PAGES 2-3: Numbers in the News

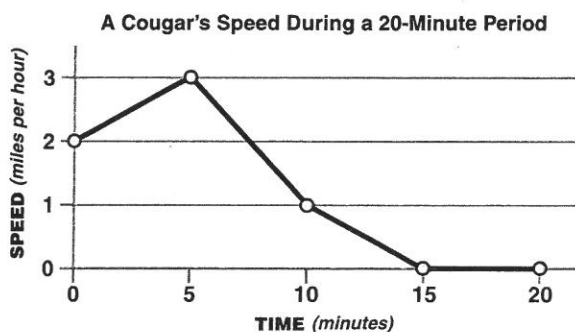
MIRACLE BEARS: $\frac{9}{16}$ pounds

RECORD RECORD BUYING: 27.4 years

TUMBLEWEED TAKEOVER: 3 feet

PAGES 4-7: Secrets of the Hunt

- 40 mph
- Between 70 and 80 minutes
- Cougars tend to move slowly with quick bursts of speed.
- It shows how data can change over time (in this case, speed changes over time).



- 15 minutes
- 5 minutes
- Answers will vary, but students could suggest that the cougar was eating, drinking, sleeping, etc.

PAGES 8-9: Catching a Comet

- | | |
|-----------------|------------|
| 1a. 6.5 years | 3. 4 times |
| 1b. 52 years | 4. 2 times |
| 2. 2 more times | 5. 2286 |

PAGES 10-11: Home Sweet (Tiny) Home!

- 90°
- Right
- 65°
- Acute
- 165°
- Obtuse
- 80°
- Acute
- 45°
- Acute

PAGES 12-13: Sea Turtle Rescue

1. $\frac{125}{500} = \frac{1}{4}$

$\frac{1}{3} > \frac{1}{4}$

2. $\frac{450}{750} = \frac{3}{5}$

$\frac{3}{5} = \frac{3}{5}$

3. PETE: $\frac{3}{5} = \frac{9}{15}$; HDPE: $\frac{1}{3} = \frac{5}{15}$

$\frac{3}{5} > \frac{1}{3}$

4. $\frac{120}{1440} = \frac{1}{12}$

Common denominators: $\frac{1}{12} = \frac{5}{60}$; PP: $\frac{1}{5} = \frac{12}{60}$

$\frac{1}{5} > \frac{1}{12}$

5. Common denominators: $\frac{3}{5} = \frac{1800}{3000}$; $\frac{1}{3} = \frac{1000}{3000}$; $\frac{1}{3000}$

$\frac{1}{5} = \frac{600}{3000}$; $\frac{1}{750} = \frac{4}{3000}$

$\frac{1}{3000} + \frac{600}{3000} = \frac{601}{3000}$

$\frac{601}{3000} > \frac{1}{750}$

PAGES 14-15: All Dried Up

- 62.25 gallons per person
- 435.75 gallons per person, per week
- 992 gallons of water can be saved
- Sacramento used 22.2% less water
- 4,826,020 gallons of water
- 19,560,000 gallons of water

PAGE 16: The Puzzle Page

MATH MASTER

- D
- C
- D
- B
- D

MATH BLOOPER: Abby switched the percent labels for the gummy worm sandwich and the asparagus sandwich. It should be 24% for gummy worms and 50% for asparagus.

BRAINTEASER: 40 chocolates are left