

SCHOLASTIC

MATH

Where Math Gets Real™

TEACHER'S GUIDE
FEBRUARY 2, 2015

VOL. 35, NO. 8 ISSN 1041-1410
SUPPLEMENT TO SCHOLASTIC MATH



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|-------------|-----|------|------|-------|-------|------|------|-----|-----|------|------|-----|
| ISSUE DATES | 9/1 | 9/15 | 10/6 | 10/27 | 11/17 | 12/8 | 1/12 | 2/2 | 3/2 | 3/23 | 4/13 | 5/4 |
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Registration is now required for access to your online resources.
YOUR ACCESS CODE: **numerator**

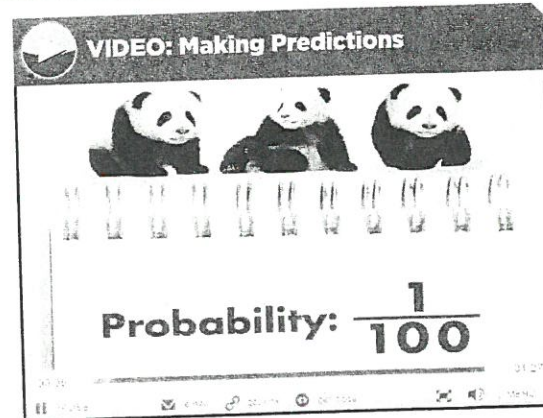
Dear Teacher,

Get ready for *Minecraft* mania! We looked into the incredibly popular game's implementation in schools across the country—and found a whole range of math skills already built into the game world.

In this issue, students will read about *Minecraft*'s place in the classroom and calculate the volume of structures they could craft in the game, including a creation of their own imagination. Send us their sketches and calculations and they'll be eligible to win a complete box set of *Minecraft: The Complete Handbook Collection*. For more details, see the entry form on page T6.

We can't wait to see what your students create!

Best wishes, The Editors
mathmag@scholastic.com



SKILLS GUIDE

| PAGE | SKILL & ARTICLE TITLE | COMMON CORE STATE STANDARDS | ONLINE RESOURCES www.scholastic.com/math |
|------|---|--|---|
| 4 | Percent Change GO WITH THE FLOE | Ratios & Proportional Relationships: Use proportional relationships to solve multistep ratio and percent problems, such as those involving percent increase and decrease. | <ul style="list-style-type: none"> Download a differentiated Common Core skills sheet, plus 5 More Questions. Watch a background video. |
| 6 | Circle Graphs HEAD PROTECTOR | Statistics & Probability: Display numerical data and summarize the data set in relation to its context. | <ul style="list-style-type: none"> Download a differentiated Common Core skills sheet, plus 5 More Questions. Watch a background video. |
| 8 | Volume THE MATH OF MINECRAFT | Geometry: Apply the formula $V = l \times w \times h$ to find volumes of right rectangular prisms in the context of solving real-world and mathematical problems. | <ul style="list-style-type: none"> Download a differentiated Common Core skills sheet, plus 5 More Questions. Learn more with Web Links. |
| 12 | Statistics BUG BITES | Statistics & Probability: Summarize numerical data sets in relation to their context. | <ul style="list-style-type: none"> Learn more with Web Links. Watch a background video. |
| 14 | Probability AGAINST THE ODDS | Statistics and Probability: Predict the approximate relative frequency of a chance event given the probability. | <ul style="list-style-type: none"> Download a differentiated Common Core skills sheet, plus 5 More Questions. Learn more with Web Links. Watch an instructional video. |
| 16 | Algebraic Expressions BAT-KID | Expressions & Equations: Write expressions that record operations with numbers and with letters standing for numbers. | <ul style="list-style-type: none"> Play a game. |

PAGES 2-3

NUMBERS IN THE NEWS

Sleds Go Coed

42 seconds

Pizza Perfection

137.2°F

Do the Math!

35,400

PAGE 4

GO WITH THE FLOE

1. 67% decrease
2. 468% increase
3. 78% decrease
4. 54% increase
5. 10% increase

PAGE 6

HEAD PROTECTOR

1. Circle graphs should reflect the following percentages and degrees:

Football: 47.1%, 170 degrees

Soccer: 13.5%, 49 degrees

Basketball: 10.5%, 38 degrees

Lacrosse: 7.9%, 28 degrees

Wrestling: 5.8%, 21 degrees

Ice Hockey: 4.1%, 15 degrees

Other: 11.1%, 40 degrees

2. Football

3. There are more concussions in basketball and wrestling combined than in soccer.

4. 51.2%

5. Student answers will vary.

PAGE 8

THE MATH OF MINECRAFT

1. 200 m³
2. 240 m³
3. 300 m³

4. 90 m³

5. 30 m³

6. 525 m³

7. 385 blocks

8. Student answers will vary.

PAGE 12

BUG BITES

1. A

2. B

3. C

4. D

5. A

6. D

7. $14 \leq p \leq 25$

8. 50 milligrams

9. 1,129 grams

10. 9.5 kilograms

To find the answers online, click on "Teaching Resources."

PAGE 14

AGAINST THE ODDS

1. 150 sets of twins and 3 sets of triplets

2. 200 blue lobsters

3. 5,000 calico cats

4. 500,000,000 lobster births

5a. 58 sets of twins and 1 set of triplets

5b. 176 total cubs

5c. The actual result is 4 cubs fewer than predicted.

BACK PAGE

BAT-KID

1. A

2. B

3. A

4. B

5. A

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- **MATH GAMES**