



Quantile Report

Pearson

DATE: Friday, September 18, 2009

CONTACT: Kanista Zuniga – Agreement and Work Request

EMAIL: kzuniga@lexile.com

PHONE: 919-547-3426

CONTACT: Bridgett McDowell – Quantile Editor

EMAIL: bmcowell@lexile.com

PHONE: 919-354-3476

CONTACT: Patricia Carideo – Accounting/Invoicing

EMAIL: pcarideo@lexile.com

PHONE: 919-547-3405

FAX: (919) 547-3401

ADDRESS: 1000 Park Forty Plaza Drive, Suite 120
Durham, North Carolina, 27713

CODES:

- EM** Emerging Mathematician
 - NMQ** Not Measurable in Quantiles
 - HMC** Higher Mathematical Concept
- Sheila,

Attached is the report for the CMP Grade 8 text you submitted for Quantile Calibrations. I have included the contact information for our group here. If you have any questions regarding the meaning of the measures please contact me. Any questions pertaining to the agreement or future work requests can go to Kanista. Patricia will handle the invoicing.

Thanks and talk to you soon,
Bridgett

Quantile Textbook Report



Connected Mathematics 2: Thinking With Mathematical Models

Publisher	Pearson	Copyright	2009
ISBN	0133661229	ISBN13	
Author	Lappan, Fey, Fitzgerald, Friel, Phillips		
StateEdition		Grade	8

1 Exploring Data Patterns

1.1	Testing Bridge Thickness	100Q
1.2	Testing Bridge Lengths	810Q
1.3	Custom Construction Parts	910Q

2 Linear Models and Equations

2.1	Linear Models	970Q
2.2	Equations for Linear Relationships	1140Q
2.3	Solving Linear Equations	840Q
2.4	Intersecting Linear Models	840Q

3 Inverse Variation

3.1	Rectangles With Fixed Area	1040Q
3.2	Bridging the Distance	1040Q
3.3	Average Cost	1040Q

Quantile Textbook Report



Connected Mathematics 2: Looking for Pythagoras

Publisher Pearson

Copyright 2009

ISBN 0133661229

ISBN13

Author Lappan, Fey, Fitzgerald, Friel, Phillips

StateEdition

Grade 8

1 Coordinate Grids

1.1	Driving Around Euclid	850Q
1.2	Planning Parks	850Q
1.3	Finding Areas	450Q

2 Squaring Off

2.1	Looking for Squares	700Q
2.2	Square Roots	700Q
2.3	Using Squares to Find Lengths	700Q

3 The Pythagorean Theorem

3.1	The Pythagorean Theorem	1010Q
3.2	A Proof of the Pythagorean Theorem	1010Q
3.3	Finding Distances	1050Q
3.4	Measuring the Egyptian Way	1050Q

Monday, September 21, 2009

Page 1 of 2

Connected Mathematics 2: Looking for Pythagoras

Publisher Pearson

Copyright 2009

ISBN 0133661229

ISBN13

4 Using the Pythagorean Theorem

4.1 Analyzing the Wheel of Theodorus	1050Q
4.2 Stopping Sneaky Sally	1050Q
4.3 Analyzing Triangles	1070Q
4.4 Finding the Perimeter	1150Q

Quantile Textbook Report



Connected Mathematics 2: Growing, Growing, Growing

Publisher	Pearson	Copyright	2009
ISBN	0133661229	ISBN13	
Author	Lappan, Fey, Fitzgerald, Friel, Phillips		
StateEdition		Grade	8

1 Exponential Growth

1.1	Making Ballots	910Q
1.2	Requesting a Reward	600Q
1.3	Making a New Offer	1050Q
1.4	Getting Costs in Line	1050Q

2 Examining Growth Patterns

2.1	Killer Plant Strikes Lake Victoria	1200Q
2.2	Growing Mold	1200Q
2.3	Studying Snake Populations	1200Q

3 Growth Factors and Growth Rates

3.1	Reproducing Rabbits	1200Q
3.2	Investing for the Future	1200Q
3.3	Making a Difference	1470Q

4 Exponential Decay

4.1	Making Smaller Ballots	1040Q
4.2	Fighting Fleas	1050Q
4.3	Cooling Water	1240Q

Monday, September 21, 2009

Page 1 of 2

Connected Mathematics 2: Growing, Growing, Growing

Publisher Pearson

Copyright 2009

ISBN 0133661229

ISBN13

5 Patterns With Exponents

5.1 Predicting the Ones Digit	1050Q
5.2 Operating With Exponents	1000Q
5.3 Exploring Exponential Equations	1220Q

Quantile Textbook Report



Connected Mathematics 2: Frogs, Fleas, and Painted Cubes

Publisher	Pearson	Copyright	2009
ISBN	013366129	ISBN13	
Author	Lappan, Fey, Fitzgerald, Friel, Phillips		
StateEdition		Grade	8

1 Introduction to Quadratic Relationships

1.1	Staking a Claim	1020Q
1.2	Reading Graphs and Tables	1140Q
1.3	Writing an Equation	1020Q

2 Quadratic Expressions

2.1	Trading Land	1040Q
2.2	Changing One Dimension	1050Q
2.3	Changing Both Dimensions	1050Q
2.4	Factoring Quadratic Expressions	1130Q
2.5	A Closer Look at Parabolas	1220Q

3 Quadratic Patterns of Change

3.1	Exploring Triangular Numbers	1040Q
3.2	Counting Handshakes	1050Q
3.3	Examining Patterns of Change	1040Q

Connected Mathematics 2: Frogs, Fleas, and Painted Cubes

Publisher Pearson

Copyright 2009

ISBN 013366129

ISBN13

4 What Is a Quadratic Function?

4.1 Tracking a Ball	1240Q
4.2 Measuring Jumps	1040Q
4.3 Putting It All Together	1040Q
4.4 Painted Cubes	1040Q

Quantile Textbook Report



Connected Mathematics 2: Kaleidoscopes, Hubcaps, and Mirrors

Publisher	Pearson	Copyright	2009
ISBN	0133661229	ISBN13	
Author	Lappan, Fey, Fitzgerald, Friel, Phillips		
StateEdition		Grade	8

1 Three Types of Symmetry

1.1	Reflection Symmetry	580Q
1.2	Rotation Symmetry	680Q
1.3	Symmetry in Kaleidoscope Designs	680Q
1.4	Translation Symmetry	680Q

2 Symmetry Transformations

2.1	Describing Line Reflections	680Q
2.2	Describing Rotations	680Q
2.3	Describing Translations	680Q
2.4	Using Symmetry to Think About Tessellations	680Q

3 Exploring Congruence

3.1	Relating Symmetry and Congruence	770Q
3.2	Congruent Triangles	770Q
3.3	The Matching Game	990Q
3.4	Polystrip Triangles and Quadrilaterals	1190Q

Connected Mathematics 2: Kaleidoscopes, Hubcaps, and Mirrors

Publisher Pearson

Copyright 2009

ISBN 0133661229

ISBN13

4 Applying Congruence and Symmetry

- | | | |
|-----|---|------|
| 4.1 | Finding Distances Without Measuring | 770Q |
| 4.2 | Using Symmetry to Find Properties of Shapes | 680Q |

5 Transforming Coordinates

- | | | |
|-----|--|-------|
| 5.1 | Coordinate Rules for Reflections | 1030Q |
| 5.2 | Coordinate Rules for Translations | 1120Q |
| 5.3 | Coordinate Rules for Rotations | 1120Q |
| 5.4 | Coordinate Rules for Transformation Combinations | 1120Q |

Quantile Textbook Report



Connected Mathematics 2: Say It With Symbols

Publisher Pearson

Copyright 2009

ISBN 0133661229

ISBN13

Author Lappan, Fey, Fitzgerald, Friel, Phillips

StateEdition

Grade 8

1 Equivalent Expressions

1.1 Tiling Pools	930Q
1.2 Thinking in Different Ways	1050Q
1.3 The Community Pool Problem	1050Q
1.4 Diving In	1050Q

2 Combining Expressions

2.1 Walking Together	840Q
2.2 Predicting Profit	840Q
2.3 Area and Profit - What's the Connection?	1040Q

3 Solving Equations

3.1 Solving Linear Equations	950Q
3.2 Comparing Costs	950Q
3.3 Factoring Quadratic Expressions	1130Q
3.4 Solving Quadratic Equations	1130Q

Connected Mathematics 2: Say It With Symbols

Publisher Pearson

Copyright 2009

ISBN 0133661229

ISBN13

4 Looking Back at Functions

4.1 Pumping Water	950Q
4.2 Generating Patterns	1040Q
4.3 Sorting Functions	1190Q

5 Reasoning With Symbols

5.1 Using Algebra to Solve a Puzzle	840Q
5.2 Odd and Even Revisited	820Q
5.3 Squaring Odd Numbers	840Q

Quantile Textbook Report



Connected Mathematics 2: The Shapes of Algebra

Publisher Pearson

Copyright 2009

ISBN 0133661229

ISBN13

Author Lappan, Fey, Fitzgerald, Friel, Phillips

StateEdition

Grade 8

1 Equations for Circles and Polygons

1.1 Equations for Circles	1050Q
1.2 Parallels and Perpendiculars	1110Q
1.3 Finding Midpoints	900Q

2 Linear Equations and Inequalities

2.1 Graphs of Linear Systems	900Q
2.2 Linear Inequalities	980Q
2.3 Solving Linear Inequalities	980Q

3 Equations With Two or More Variables

3.1 Many Ways to Reach a Goal	930Q
3.2 Connecting $y = mx + b$ and $ax + by = c$	1140Q
3.3 Intersections of Lines	900Q

4 Solving Systems of Linear Equations Symbolically

4.1 The $y = mx + b$ Case	990Q
4.2 The $ax + by = c$ Case	990Q
4.3 Solving Systems by Substitution	990Q
4.4 Solving Systems by Combination	990Q

Monday, September 21, 2009

Page 1 of 2

Connected Mathematics 2: The Shapes of Algebra

Publisher Pearson

Copyright 2009

ISBN 0133661229

ISBN13

5 Linear Inequalities

5.1	Limiting Driving Miles	1050Q
5.2	Limiting Carbon Dioxide Emissions	1050Q
5.3	Graphs of Linear Inequalities	1050Q
5.4	Systems of Linear Inequalities	1150Q

Quantile Textbook Report



Connected Mathematics 2: Samples and Populations

Publisher Pearson

Copyright 2009

ISBN 0133661229

ISBN13

Author Lappan, Fey, Fitzgerald, Friel, Phillips

StateEdition

Grade 8

1 Comparing Data Sets

1.1 From Line Plots to Histograms	790Q
1.2 Using Histograms	790Q
1.3 Box-and-Whisker Plots	960Q
1.4 Making a Quality Choice	NMQ

2 Choosing a Sample From a Population

2.1 Asking About Honesty	860Q
2.2 Selecting a Sample	610Q
2.3 Choosing Random Samples	960Q
2.4 Choosing a Sample Size	950Q

3 Solving Real-World Problems

3.1 Solving an Archaeological Mystery	960Q
3.2 Simulating Cookies	960Q

Connected Mathematics 2: Samples and Populations

Publisher Pearson

Copyright 2009

ISBN 0133661229

ISBN13

4 Relating Two Variables

4.1	Are Quality Ratings and Prices Related?	800Q
4.2	Writing an Equation to Describe a Relationship	970Q
4.3	Human Development Index and Life Expectancies	1050Q