

Measurement, Grade 6

ACTIVITY	TOPICS	PAGE
	Table of Standards	5
Measurement Unit Rates	Connecting Unit Rate & Measurement Units	7
Find My Matches	Conversions with Standard Units	17
Metric Mania!	Conversions with Metric Units	30
Animal Facts	Conversions Using Proportions	47
Let's Battle	Conversions Using Proportions	57
It's a Fact!	Measurement Conversions	69
What's the Sum?	Sum of the Angles of a Triangle	75
Triangle Relationships	Relationship Between Angles & Sides of Triangles	82
Is It or Isn't It?	Relationship Between the Lengths of the Sides of a Triangle	91
Triangles	Area of a Triangle	95
Rectangles & Parallelograms	Area of a Parallelogram	103
Rectangles & Trapezoids	Area of a Trapezoid	112
They're All 48!	Changing Area	119
Different Shapes, Different Area Formulas	Area Practice	130
Putting It All Together	Area Practice	141
Two Can Play This Game	Estimate & Solve Area Problems	155
What is Big B?	Volume of Rectangular Prisms	162
Mistakes & Missing Dimensions! Oh, My!!	Volume of Rectangular Prisms	168
Big Cat Sanctuary	Area & Volume	184
	Grid Paper	193

TABLE OF CONTENTS

(PG. 2 OF 2)

Content and Instruction Extras

MEANING BEHIND THE MATH

A Vertical Alignment of Conversions	17
Labeling Units	30
Connecting Tables, Unit Rates, & Proportions	48
Conversions: 4th Grade to 7th Grade	57
What Does “Degree” Mean?	82
Models and Manipulatives	95
Isn't It Faster to Just Teach the Formula?	112
The Importance of the Diagram in Measurement Problems	130
Why Do We Teach Students to Estimate?	155
Concrete–Pictorial–Abstract Approach	162

READING, WRITING, AND SPEAKING TO IMPROVE CRITICAL THINKING

Connecting Prior Learning with Future Learning—The Research	7
Deepening Dialogue: Repetition	91
Continuing to Connect Prior Learning to Future Learning	103
The Effect of Discovery on Conceptual Understanding	119
Why Do Students Need to Find Mistakes?	168

WORKING THE CLASSROOM

Using Highlighters in Measurement Problems	69
Structured Inquiry = Engagement	75
The Importance of Collaboration	141