

CORE FOCUS ON RATIO, RATES & STATISTICS

BLOCK 1 ~ RATIOS AND CONVERSIONS

LESSON 1.1	RATIOS -----	3
	EXPLORE! COMPARING STUDENTS	
LESSON 1.2	GEOMETRIC SEQUENCES -----	9
	EXPLORE! NUMBER PATTERNS	
LESSON 1.3	CUSTOMARY CONVERSIONS -----	14
LESSON 1.4	METRIC CONVERSIONS -----	18
LESSON 1.5	PERIMETER AND AREA -----	22
	EXPLORE! THE PATIO	
REVIEW	BLOCK 1 ~ RATIOS AND CONVERSIONS -----	28

BLOCK 2 ~ RATES

LESSON 2.1	FRACTIONS AND DECIMALS -----	35
	EXPLORE! BACK AND FORTH	
LESSON 2.2	REPEATING DECIMALS AND ROUNDING -----	39
	EXPLORE! CALCULATORS AND FRACTIONS	
LESSON 2.3	RATES AND UNIT RATES -----	44
LESSON 2.4	RATE PROBLEM SOLVING -----	48
	EXPLORE! MATCH THE RATES	
LESSON 2.5	COMPARING RATES -----	54
	EXPLORE! SHOPPING SALES	
LESSON 2.6	MOTION RATES -----	60
REVIEW	BLOCK 2 ~ RATES -----	66

BLOCK 3 ~ PERCENTS AND PROBABILITY

LESSON 3.1	INTRODUCING PERCENTS -----	73
	EXPLORE! PERCENTS	
LESSON 3.2	PERCENTS, DECIMALS AND FRACTIONS -----	77
	EXPLORE! KIERAN'S ROOM	
LESSON 3.3	PERCENT OF A NUMBER -----	81
LESSON 3.4	PERCENT APPLICATIONS -----	85
	EXPLORE! AT THE RESTAURANT	
LESSON 3.5	INTRODUCTION TO PROBABILITY -----	90
LESSON 3.6	EXPERIMENTAL PROBABILITY -----	94
	EXPLORE! ROLLING A 3	
LESSON 3.7	THEORETICAL PROBABILITY -----	100
	EXPLORE! SUM OF TWO NUMBER CUBES	
LESSON 3.8	GEOMETRIC PROBABILITY -----	105
	EXPLORE! WHAT ARE MY CHANCES OF WINNING?	
REVIEW	BLOCK 3 ~ PERCENTS & PROBABILITY -----	109

BLOCK 4 ~ STATISTICS

LESSON 4.1	INTRODUCTION TO STATISTICS -----	117
	EXPLORE! A QUESTION OF STATISTICS	
LESSON 4.2	MEASURES OF CENTER -----	122
	EXPLORE! COUNTING PETS	
LESSON 4.3	DOT PLOTS -----	128
	EXPLORE! HOW TALL?	
LESSON 4.4	HISTOGRAMS -----	134
LESSON 4.5	BOX-AND-WHISKER PLOTS -----	141
LESSON 4.6	ANALYZING STATISTICS -----	148
	EXPLORE! WHAT'S THE "MEAN"ING?	
LESSON 4.7	MEAN ABSOLUTE DEVIATION -----	154
	EXPLORE! MERCURY'S RISING	
REVIEW	BLOCK 4 ~ STATISTICS -----	160