



Overall Expectations

Grade 7

Demonstrate an understanding of addition and subtraction of fractions and integers, and apply a variety of computational strategies to solve problems involving whole numbers and decimal numbers

Represent, compare and order numbers, including integers

Demonstrate an understanding of proportional relationship using percent, ratio and rate

Collect and organize categorical, discrete or continuous primary data and secondary data and display the data using charts and graphs including relative frequency tables and circle graphs

Make and evaluate convincing arguments based on the analysis of data

Represent linear growing patterns (where the terms are whole numbers) using concrete materials, graph and algebraic expressions

Model real-life linear relationships graphically and algebraically and solve simple algebraic equations using a variety of strategies including inspection and guess and check

Grade 8

Solve problems involving whole numbers, decimal numbers, fractions and integers, using a variety of computational strategies

	Student tasks	Develop a Budget	Pay bills -keep track of cost fi	Prepare financial reports	Schedule for the day	Scale map	Marketing efficiency and effec	Organization of data into spre	Analysis of Marketing campai	Investiage costing	Determine algebraic expressi	Solve for best cost	Graph and extrapolate the da	Final analysis	Use quotes to calcualte costs	Use graphs to provide proof	Describe graph trends	explain location choice
		X	X	X						X				X				
										X				X				
				X														
								X	X				X	X				
								X	X				X	X				
							X				X	X		X	x	X	X	
											X	X		X	x	X	X	
		X	X							X				X	X			X



Overall Expectations

Solve problems by using proportional reasoning in a variety of meaningful contexts					X	X					X				X		X	
Represent linear growing patterns (where the terms are whole numbers) using graphs, algebraic expressions, and equations											X				X	X	X	
Collect and organize categorical, discrete, or continuous primary data and secondary data and display the data using charts and graphs, including frequency tables with intervals, histograms, and scatter plots									X	X				X	X	X	X	
Apply a variety of data management tools and strategies to make convincing arguments about data								X	X				X	X	X	X	X	
Model linear relationships graphically and algebraically, and solve and verify algebraic equations, using a variety of strategies, including inspection, guess and check, and using a "balance" model											X				X	X	X	
Grade 9																		
Solve problems involving proportional reasoning	X										X			X	X	X	X	X
Simplify numerical and polynomial expressions in one variable, and solve simple first-degree equations				X							X				X	X		
Apply data-management techniques to investigate relationship between two variables								X	X				X	X				

Student tasks	Develop a Budget	Pay bills -keep track of cost fi	Prepare financial reports	Schedule for the day	Scale map	Marketing efficiency and effec	Organization of data into spre	Analysis of Marketing campai	Investiage costing	Determine algebraic expressi	Solve for best cost	Graph and extrapolate the da	Final analysis	Use quotes to calculaite costs	Use graphs to provide proof	Describe graph trends	explain location choice
Solve problems by using proportional reasoning in a variety of meaningful contexts				X	X				X		X			X		X	
Represent linear growing patterns (where the terms are whole numbers) using graphs, algebraic expressions, and equations									X					X	X	X	
Collect and organize categorical, discrete, or continuous primary data and secondary data and display the data using charts and graphs, including frequency tables with intervals, histograms, and scatter plots								X	X			X	X	X	X	X	
Apply a variety of data management tools and strategies to make convincing arguments about data							X	X				X	X	X	X	X	
Model linear relationships graphically and algebraically, and solve and verify algebraic equations, using a variety of strategies, including inspection, guess and check, and using a "balance" model									X					X	X	X	
Grade 9																	
Solve problems involving proportional reasoning	X								X				X	X	X	X	X
Simplify numerical and polynomial expressions in one variable, and solve simple first-degree equations			X						X					X	X		
Apply data-management techniques to investigate relationship between two variables							X	X				X	X				

