SpiralEd Solutions

Grade 4 Spirals

Tracking Document

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4.2A	interpret the value of each place-value position as 10 times the position to the right and as one-tenth of the value of the place to its left	S2Q2	S2Q3	S14Q2	S24Q2	S46Q2	S62Q2
		S69Q2	S84Q1				
4.2B	represent the value of the digit in whole numbers through 1,000,000,000 and decimals to the hundredths using expanded notation and numerals	S1Q1	S1Q2	S1Q3	S2Q1	S4Q1	S10Q1
		S22Q2	S44Q1	S53Q1	S67Q1	S75Q1	S81Q1
		S81Q2	S101Q1				
4.2C	compare and order whole numbers to 1,000,000,000	S3Q1	S4Q2	S5Q3	S26Q3	S50Q3S	S88Q1
4.2D	round whole numbers to a given place value through the hundred thousands place	S3Q2	S3Q3	S6Q1	D28Q1	S40Q2	S68Q2
		S72Q1	S73Q1	S90Q1			
4.2E	represent decimals, including tenths and hundredths, using concrete and visual models and money	S4Q3	S5Q1	S12Q3	S33Q2	S54Q3	S64Q2
		S94Q1					
4.2F	compare and order decimals using concrete and visual models to the hundredths	S5Q2	S6Q3	S9Q1	S27Q2	S48Q1	S72Q3
		S75Q2	S96Q1				
4.2G	relate decimals to fractions that name tenths and hundredths	S6Q2	S7Q1	S7Q2	S11Q2	S14Q3	S17Q1
		S22Q3	S30Q1	S33Q3	S43Q4	S56Q1	S65Q1
		S74Q2	S83Q1	S83Q2			
4.2H	determine the corresponding decimal to the tenths or hundredths place of a specified point on a number line	S7Q3	S8Q1	S145Q1	S29Q3	S51Q3	S63Q2
		S98Q1					
4.3A	represent a fraction a/b as a sum of fractions 1/b, where a and b are whole numbers and b > 0, including when a > b	S8Q2	S8Q3	S16Q3	S32Q2	S47Q2	S49Q2
		S62Q1	S76Q2	S100Q1			

4.3B	decompose a fraction in more than one way into a sum of fractions with the same denominator	S9Q2	S9Q3	S13Q1	S25Q1	S46Q3	S84Q2
4.3C	determine if two given fractions are equivalent using a variety of methods	S10Q2	S12Q1	S13Q2	S30Q2	S54Q1	S67Q2
		S88Q2					
4.3D	compare two fractions with different numerators and different denominators and represent the comparison using the symbols >, =, or <;	S10Q3	S11Q1	S11Q3	S13Q3	S16Q2	S17Q2
		S17Q3	S26Q2	S32Q3	S43Q1	S48Q3	S70Q1
		S75Q3	S85Q1	S85Q2			
4.3E	represent and solve addition and subtraction of fractions with equal denominators using objects and pictorial models that build to the number line and properties of operations	S12Q2	S14Q1	S15Q3	S19Q1	S32Q1	S35Q1
		S45Q3	S66Q3	S72Q2	S87Q1	S87Q2	
4.3F	evaluate the reasonableness of sums and differences of fractions using benchmark fractions 0, 1/4, 1/2, 3/4, and 1, referring to the same whole	S15Q2	S16Q1	S21Q2	S23Q1	S40Q3	S63Q1
		S90Q2	S102Q1				
4.3G	represent fractions and decimals to the tenths or hundredths as distances from zero on a number line	S18Q1	S18Q3	S20Q2	S55Q3	S71Q2	S94Q2
4.4A	add and subtract whole numbers and decimals to the hundredths place	S18Q2	S19Q2	S19Q3	S23Q3	S33Q1	S46Q1
		S52Q3	S68Q1	S74Q3	S89Q1	S89Q2	S105Q1
		S106Q2					
4.4B	determine products of a number and 10 or 100 using properties of operations and place value understandings	S20Q1	S20Q3	S21Q1	S28Q2	S44Q2	S76Q1
		S95Q3	S96Q2				
4.4C	represent the product of 2 two-digit numbers using arrays, area models, or equations, including perfect squares through 15 by 15	S25Q3	S27Q1	S30Q3	S50Q1	S50Q2	S69Q3
		S96Q3	S98Q2	S103Q1			

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4.4D	use strategies and algorithms, including the standard algorithm, to multiply up to a four-digit number by a one-digit number and to multiply a two-digit number by a two-digit number	S21Q3	S24Q1	S24Q3	S51Q1	S97Q3	S100Q2
4.4E	represent the quotient of up to a four-digit whole number divided by a one-digit whole number using arrays, area models, or equations	S27Q3	S28Q3	S31Q1	S39Q3	S42Q3	S81Q3
		S98Q3					
4.4F	use strategies and algorithms, including the standard algorithm, to divide up to a four-digit dividend by a one-digit divisor	S29Q1	S29Q2	S34Q2	S53Q2	S70Q3	S82Q3
		S99Q3					
4.4G	round to the nearest 10, 100, or 1,000 or use compatible numbers to estimate solutions involving whole numbers	S23Q2	S25Q2	S26Q1	S42Q2	S58Q2	S61Q2
		S83Q2	S83Q3	S100Q3			
4.4H	solve with fluency one- and two-step problems involving multiplication and division, including interpreting remainders	S31Q2	S31Q3	S34Q1	S35Q2	S37Q1	S38Q3
		S40Q1	S44Q3	S57Q1	S65Q2	S71Q1	S91Q1
		S91Q2	S102Q2				
4.5A	represent multi-step problems involving the four operations with whole numbers using strip diagrams and equations with a letter standing for the unknown quantity	S34Q3	S35Q3	S36Q2	S37Q2	S38Q1	S39Q2
		S42Q1	S48Q2	S68Q3	S93Q1	S93Q2	S103Q2
		S103Q3	S105Q2				
4.5B	represent problems using an input-output table and numerical expressions to generate a number pattern that follows a given rule representing the relationship of the values in the resulting sequence and their position in the sequence	S36Q1	S36Q3	S37Q3	S38Q2	S39Q1	S40Q2
		S57Q2	S59Q3	S70Q2	S77Q3	S95Q1	S95Q2
		S104Q1	S107Q1				
4.5D	solve problems related to perimeter and area of rectangles where dimensions are whole numbers	S40Q1	S40Q3	S43Q2	S55Q1	S61Q3	S66Q1
		S67Q3	S73Q1	S97Q1	S97Q2	S104Q3	S106Q3
		S109Q1	S111Q3				

4.6A	identify points, lines, line segments, rays, angles, and perpendicular and parallel lines	S54Q1	S45Q2	S51Q2	S56Q2	S66Q2	S84Q3
		S106Q1					
4.6B	identify and draw one or more lines of symmetry, if they exist, for a two-dimensional figure	S47Q1	S47Q3	S49Q1	S68Q1	S73Q3	S85Q3
		S102Q3					
4.6C	apply knowledge of right angles to identify acute, right, and obtuse triangles	S49Q3	S52Q1	S56Q3	S77Q2	S86Q3	S105Q3
4.6D	classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines or the presence or absence of angles of a specified size	S52Q2	S53Q3	S54Q2	S55Q2	S57Q3	S58Q1
		S62Q3	S80Q1	S99Q1	S99Q2	S107Q2	S109Q3
		S110Q1	S112Q2				
4.7A	illustrate the measure of an angle as the part of a circle whose center is at the vertex of the angle that is "cut out" by the rays of the angle. Angle measures are limited to whole numbers						
4.7B	illustrate degrees as the units used to measure an angle						
4.7C	determine the approximate measures of angles in degrees to the nearest whole number using a protractor	S58Q3	S59Q1	S659Q2	S60Q2	S60Q3	S61Q1
		S63Q3	S77Q1	S78Q2	S82Q1	S82Q2	S107Q3
		S113Q1	S115Q3				
4.7D	draw an angle with a given measure	S60Q1	S64Q1	S64Q3	S79Q3	S87Q3	S115Q1
		S117Q2					
4.7E	determine the measure of an unknown angle formed by two non-overlapping adjacent angles given one or both angle measures	S65Q3	S71Q3	S74Q1	S76Q3	S88Q3	S111Q2
		S116Q2					
4.8A	identify relative sizes of measurement units within the customary and metric systems;	S79Q2	S89Q3	S109Q2	S111Q1	S112Q3	

4.8B	convert measurements within the same measurement system, customary or metric	S90Q3	S101Q2	S112Q1	S113Q3	S114Q1	
4.8C	solve problems that deal with measurements of length, intervals of time, liquid volumes, mass, and money using addition, subtraction, multiplication, or division as appropriate	S78Q1	S78Q3	S79Q1	S80Q2	S80Q3	S86Q1
		S86Q2	S108Q1	S110Q2	S113Q2	S115Q2	S118Q1
		S119Q3					
4.9A	represent data on a frequency table, dot plot, or stem-and-leaf plot marked with whole numbers and fractions	S92Q1	S92Q2	S101Q3	S108Q2	S108Q3	S110Q3
		S119Q1	S119Q2	S120Q1	S120Q2		
4.9B	solve one- and two-step problems using data in whole number, decimal, and fraction form in a frequency table, dot plot, or stem-and-leaf plot	S91Q3	S101Q2	S114Q2	S117Q3		
4.10A	distinguish between fixed and variable expenses	S92Q3	S114Q3	S117Q1	S120Q3		
4.10B	calculate profit in a given situation	S93Q3	S116Q1	S118Q2			
4.10E	describe the basic purpose of financial institutions, including keeping money safe, borrowing money, and lending	S94Q3	S116Q3	S118Q3			