

Lesson 1		Lesson 7	
ZE.1.a	Model exponents with the same base raised to a power of two using manipulative blocks	ZE.7.a	Name metric prefixes that describe small quantities
ZE.1.b	Evaluate exponents with the same base using blocks	ZE.7.b	Identify corresponding values for metric prefixes
ZE.1.c	Name numbers in exponential form in at least three different ways	ZE.7.c	Express metric measurement relationships for small quantities as ratios
ZE.1.d	Apply appropriate strategies to solve word problems	ZE.7.d	Determine the best metric measure for a giver object or situation
Lesson 2		ZE.7.e	Estimate using metric units of measure
ZE.2.a	Use models to show place value in expanded notation	ZE.7.f	Solve multi-step word problems using metric measurement
ZE.2.b	Write numbers in expanded notation	Lesson 8	
ZE.2.c	Express numbers in exponential notation	ZE.8.a	Convert large metric units to smaller
ZE.2.d	Evaluate exponents with a base of ten		metric units
Lesson 3		ZE.8.b	Convert large metric units to smaller metric units using the "shortcut" (adding zeros)
ZE.3.a	Write decimals in expanded notation	ZE.8.c	Determine which metric unit corresponds mos
ZE.3.b	Rewrite decimal numbers in decimal notation		closely with U.S. customary units
ZE.3.c	Determine whether to multiply or divide by ten when "moving" a decimal point to increase or decrease its value	ZE.8.d	Apply knowledge of the metric system to solve multi-step problems
ZE.3.d	Explain why money is a practical application for the use of decimal values	Lesson 9	
		ZE.9.a	Model multiplication of tenths using blocks
Lesson 4		ZE.9.b	Multiply tenths using place-value notation
ZE.4.a		ZE.9.c	Multiply tenths using decimal notation
	Use models to add decimal values	ZE.9.d	Apply knowledge of multiplying tenths to solve
ZE.4.b	Apply regrouping principles to compute decimal addition problems accurately		word problems
ZE.4.c	Apply knowledge of adding decimals to solve word problems	Lesson 10	
22.4.0		ZE.10.a	Multiply hundredths using decimal notation
Lesson 5		ZE.10.b	Multiply hundredths using the standard algorithm
ZE.5.a	Use models to subtract decimal values	ZE.10.c	Apply knowledge of multiplying hundredths to
ZE.5.b	Apply regrouping principles to compute decimal subtraction problems accurately		solve word problems
ZE.5.c	Apply knowledge of subtracting decimals to	Lesson 11	
	solve word problems	ZE.11.a	Model the relationship between fractions, decimals, and percentages
Lesson 6		ZE.11.b	Explain that percent means out of one hundre
ZE.6.a	Name metric prefixes that describe large quantities	ZE.11.c	Write a percentage as a decimal
ZE.6.b	Identify corresponding value for	ZE.11.d	Write a percentage as a fraction
	metric prefixes	ZE.11.e	Identify common decimals and fractions as percentages (e.g., $\frac{1}{4}$ = 0.25 = 25%)
ZE.6.c	Express metric measurement relationships for large quantities as ratios	ZE.11.f	Change a percentage to a decimal
ZE.6.d	Determine the best metric measure for a given	ZE.11.g	Change a percentage to a fraction
ZE.6.e	object or situation	ZE.11.h	Use knowledge of percentages to solve word problems
22.0.0	Convert given values between metric units that describe large quantities		
		Lesson 12	
		ZE.12.a	Change a whole number to a percentage
		ZE.12.b	Change a fraction to a percentage
		7540 -	

percentage

Convert a mixed number to a percentage

Convert a decimal to a percentage

Solve problems by converting among quantities written as a fraction, decimal, and

ZE.12.c

ZE.12.d

ZE.12.e



Objectives List: Zeta

Lesson 13		Lesson 20	
ZE.13.a	Explain that a pie graph represents a visual presentation of the whole and its parts	ZE.20.a	Divide a decimal by a decimal value
ZE.13.b	Interpret data on a pie graph	Lesson 21	
ZE.13.c	Find the percent of a number given data on a pie graph	ZE.21.a	Divide a decimal by a whole number by adding zeros to yield a quotient without a remainder
ZE.13.d	Apply knowledge of percent to display data on a pie graph	ZE.21.b	Express a quotient by rounding to a given place value when numbers do not divide evenly
Lesson 14		ZE.21.c	Write a remainder as a decimal
ZE.14.a	Estimate factors to verify the reasonableness of an answer	ZE.21.d	Divide until a pattern is determined and write the answer with a vinculum over the repeating
ZE.14.b	Multiply decimal values using decimal notation		digits
ZE.14.c	Calculate the placement of a decimal point in a decimal multiplication problem by counting the	ZE.21.e	Express a remainder as a fraction
	spaces to the right of the decimal point	Lesson 22	
ZE.14.d	Solve problems that involve multiplication of	ZE.22.a	Solve for an unknown in an equation
	decimal values	ZE.22.b	Substitute the solution for the variable in the original equation to verify the answer
Lesson 15		Lesson 23	
ZE.15.a	Convert small metric units to larger metric units by using ratios	ZE.23.a	Convert fractions to decimals
ZE.15.b	Use the shortcut method of "moving" one decimal place for each step when converting	ZE.23.b	Convert fractions to decimals and percentages to solve problems
	metric units	1	
Lesson 16		Lesson 24	White a towningting desired on a function in
ZE.16.a	Substitute the approximation of π (3.14) into formulas to calculate values for a circle	ZE.24.a	Write a terminating decimal as a fraction in simplest form
ZE.16.b	Apply the formulas πd and $2\pi r$ to calculate the	ZE.24.b	Use knowledge of decimals and fractions to solve problems
75.40	circumference of a circle Compute the area of a circle using the formula πr²	Lesson 25	
ZE.16.c		ZE.25.a	Calculate the mean for a set of data
		ZE.25.b	Find the median for a set of data
Lesson 17		ZE.25.c	Determine the mode for a set of data
ZE.17.a	Divide a decimal by a whole number	ZE.25.d	Analyze a given set of data using mean,
ZE.17.b	Identify where to place the decimal point in the quotient		median, and mode
ZE.17.c	Explain the procedure for dividing a decimal	Lesson 26	
ZE.17.d	by a whole number Use multiplication to check the accuracy of the	ZE.26.a	Determine the probability of how likely something is to happen or to be true in a given scenario
Lesson 18	answer for a division problem	ZE.26.b	Record the probability in ratio form in lowest terms for a given scenario
ZE.18.a	Divide whole numbers by a decimal value		terms for a given scenario
ZE.18.b	Adjust decimal points by multiplying the divisor and dividend by the same power of 10	Lesson 27 ZE.27.a	Define the geometric terms point, line, ray,
ZE.18.c	Use estimation to determine the reasonableness of a quotient	ZE.27.b	and line segment Draw representations for the geometric terms
ZE.18.d	Apply knowledge of dividing decimal numbers to solve word problems		point, line, ray, and line segment
22.10.0		ZE.27.c	Represent a point, line, ray, and line segment using geometric symbols
Lesson 19		ZE.27.d	Identify the symbol for infinity
ZE.19.a	Divide to solve equations with decimal values	ZE.27.e	Define infinity



Lesson 28

ZE.28.a	Define zero-, one-, two-, and three-dimensional geometric shapes
ZE.28.b	Identify zero-, one-, two-, and three- dimensional geometric shapes
ZE.28.c	Define similar, equal, and congruent
ZE.28.d	Identify the symbols for similar, equal, and congruent
Lesson 29	
ZE.29.a	Name the parts of an angle
75 20 h	Define angle and right angle

ZE.29.b	Define angle and right angle
ZE.29.c	Use letters and symbols to name angles
ZE.29.d	Explain that angles are measured in degrees
ZE.29.e	Identify a box symbol as a representation of a 90-degree angle
ZE.29.f	State that a circle contains 360 degrees

Lesson 30

ZE.30.a	Define acute, obtuse, and straight angles
ZE.30.b	Classify an angle as acute, obtuse, right, or straight
75.20 -	Determine if an angle is south, obtues, righ

ZE.30.c Determine if an angle is acute, obtuse, right, or straight, given a degree measurement