

5TH GRADE

MATH DICTIONARY

NAME _____ TEACHER _____ BLOCK _____

5.2B COMPARING AND ORDERING DECIMALS	5.3A ESTIMATION WITH DECIMALS	5.3K ADD OR SUBTRACT DECIMALS	5.3E MULTIPLYING DECIMALS	5.3G DIVIDING DECIMALS
5.3B MULTIPLY 3-DIGIT BY 2-DIGIT	5.3D MODELING DECIMAL MULTIPLICATION	5.3C DIVIDE 4-DIGIT BY 2- DIGIT	5.3F MODELING DECIMAL DIVISION	5.4B MULTI-STEP PROBLEMS
5.3K ADDING F RACTIONS	5.3K SUBTRACTING FRACTIONS	5.3I MODELING FRACTION MULTIPLICATION	5.3J/L DIVISION WITH FRACTIONS	FRACTIONS SIMPLIFY FRACTIONS
5.4H FINDING AREA	5.4H FINDING PERIMETER	5.4H FINDING VOLUME	5.5A IDENTIFYING QUADRILATERALS	5.5A IDENTIFYING TRIANGLES
5.8C COORDINATE PLANES	5.9A REPRESENT DATA MULTIPLE WAYS	5.9B REPRESENT SCATTERPLOTS	5.4C SOLVE PROBLEMS USING DATA	5.10A DEFINING TAXES

I CAN DEFINE INCOME TAX, PAYROLL TAX, SALES TAX, AND PROPERTY TAX

WORD	DEFINITION	SYNONYM/EXAMPLE	PICTURE
TAX			
INCOME TAX			
PAYROLL TAX			
PROPERTY TAX			

5.10A
DEFINING
TAXES

GENERATE A NUMERICAL PATTERN WHEN GIVEN A RULE IN THE FORM $Y=AX$ OR $Y=X+A$ AND GRAPH

WORD

DEFINITION

SYNONYM/EXAMPLE

PICTURE

INPUT

OUTPUT

RULE

5.4C
SOLVE PROBLEMS
USING DATA

I CAN REPRESENT DISCRETE PAIRED DATA ON A SCATTERPLOT

WORD	DEFINITION	SYNONYM/EXAMPLE	PICTURE
NEGATIVE CORRELATION			
NO CORRELATION			
POSITIVE CORRELATION			
SCATTERPLOT			

5.9B

REPRESENT
SCATTERPLOTS

REPRESENT CATEGORICAL DATA WITH BAR GRAPHS OR FREQUENCY TABLES AND NUMERICAL DATA, INCLUDING DATA SETS OF MEASUREMENTS IN FRACTIONS OR DECIMALS, WITH DOT PLOTS OR STEM- AND- LEAF PLOTS

WORD	DEFINITION	SYNONYM/EXAMPLE	PICTURE
BAR GRAPH			
DOT PLOT			
FREQUENCY TABLE			
STEM AND LEAF PLOT			

5.9A

REPRESENT DATA
MULTIPLE WAYS

I CAN GRAPH IN THE FIRST QUADRANT OF THE COORDINATE PLANE ORDERED PAIRS OF NUMBERS ARISING FROM MATHEMATICAL AND REAL-WORLD PROBLEMS, INCLUDING THOSE GENERATED BY NUMBER PATTERNS OR FOUND IN AN INPUT-OUTPUT TABLE

WORD	DEFINITION	SYNONYM/EXAMPLE	PICTURE
ORDERED PAIR			
ORIGIN			
POINT			
X-AXIS			
X-INTERCEPT			
Y-AXIS			
Y-INTERCEPT			

5.8C

COORDINATE
PLANES

I CAN CLASSIFY TWO-DIMENSIONAL FIGURES IN A HIERARCHY OF SETS AND SUBSETS USING GRAPHIC ORGANIZERS BASED ON THEIR ATTRIBUTES AND PROPERTIES

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
ANGLE			
EQUILATERAL			
ISOSCELES			
SCALENE			
SIDE			
TRIANGLE			

5.5A
IDENTIFYING
TRIANGLES

I CAN CLASSIFY TWO-DIMENSIONAL FIGURES IN A HIERARCHY OF SETS AND SUBSETS USING GRAPHIC ORGANIZERS BASED ON THEIR ATTRIBUTES AND PROPERTIES

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
PARALLELOGRAM			
QUADRILATERAL			
RECTANGLE			
RHOMBUS			
SQUARE			
TRAPEZOID			

5.5A

IDENTIFYING
QUADRILATERALS

I CAN REPRESENT AND SOLVE PROBLEMS RELATED TO PERIMETER AND/OR AREA AND RELATED TO
VOLUME

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
AREA OF THE BASE			
HEIGHT			
LENGTH			
UNITS CUBED			
VOLUME			
WIDTH			

5.4H

FINDING
VOLUME

I CAN REPRESENT AND SOLVE PROBLEMS RELATED TO PERIMETER AND/OR AREA AND RELATED TO
VOLUME

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
AROUND			
LENGTH			
PERIMETER			
UNIT			
WIDTH			

5.4H

FINDING
PERIMETER

I CAN REPRESENT AND SOLVE PROBLEMS RELATED TO PERIMETER AND/OR AREA AND RELATED TO
VOLUME

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
AREA			
INSIDE			
LENGTH			
UNITS SQUARED			
WIDTH			

5.4H
FINDING
AREA

I CAN SIMPLIFY PROPER FRACTIONS USING THE FAB5, AND SIMPLIFY IMPROPER FRACTIONS USING NIDO.

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
DENOMINATOR			
EQUIVALENT			
FRACTION			
NUMERATOR			
SIMPLIFY			

FRACTIONS
SIMPLIFY
FRACTIONS

I CAN REPRESENT AND SOLVE DIVISION OF A UNIT FRACTION BY A WHOLE NUMBER AND THE DIVISION OF A WHOLE NUMBER BY A UNIT FRACTION SUCH AS $\frac{1}{3} \div 7$ AND $7 \div \frac{1}{3}$ USING OBJECTS AND PICTORIAL MODELS, INCLUDING AREA MODELS; SUPPORTING STANDARD

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
DENOMINATOR			
FLIP			
FRACTION			
NUMERATOR			
SIMPLIFY			

5.3J/L

DIVISION WITH
FRACTIONS

I CAN REPRESENT AND SOLVE MULTIPLICATION OF A WHOLE NUMBER AND A FRACTION THAT REFERS TO THE SAME WHOLE USING OBJECTS AND PICTORIAL MODELS, INCLUDING AREA MODELS

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
DENOMINATOR			
EQUIVALENT			
FRACTION			
NUMERATOR			
SHADED			

5.3I

MODELING FRACTION
MULTIPLICATION

I CAN ADD AND SUBTRACT POSITIVE RATIONAL NUMBERS FLUENTLY

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
COMMON DENOMINATOR			
FACTORS			
MULTIPLES			
NUMERATOR			
SIMPLIFY			

5.3K

SUBTRACTING
FRACTIONS

I CAN ADD AND SUBTRACT POSITIVE RATIONAL NUMBERS FLUENTLY

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
COMMON DENOMINATOR			
FACTORS			
MULTIPLES			
NUMERATOR			
SIMPLIFY			

5.3K

ADDING
FRACTIONS

I CAN REPRESENT AND SOLVE MULTI-STEP PROBLEMS INVOLVING THE FOUR OPERATIONS WITH WHOLE NUMBERS USING EQUATIONS WITH A LETTER STANDING FOR THE UNKNOWN QUANTITY

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
EQUATION			
TOTAL			
UNKNOWN			
VARIABLE			

5.4B

MULTI-STEP
PROBLEMS

I CAN REPRESENT QUOTIENTS OF DECIMALS TO THE HUNDREDTHS, UP TO FOUR-DIGIT DIVIDENDS AND TWO-DIGIT WHOLE NUMBER DIVISORS, USING OBJECTS AND PICTORIAL MODELS, INCLUDING AREA MODELS

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
DECIMAL			
DIVIDEND			
DIVISON			
QUOTIENT			

5.3F
MODELING DECIMAL
DIVISION

I CAN SOLVE WITH PROFICIENCY FOR QUOTIENTS OF UP TO A 4-DIGIT DIVIDEND BY A 2-DIGIT DIVISOR
USING STRATEGIES AND THE STANDARD ALGORITHM

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
DECIMAL			
DIVIDEND			
DIVISOR			
QUOTIENT			

5.3C

DIVIDE 4-DIGIT BY
2-DIGIT

I CAN REPRESENT MULTIPLICATION OF DECIMALS WITH PRODUCTS TO THE HUNDREDTHS USING
OBJECTS AND PICTORIAL MODELS, INCLUDING AREA MODELS

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
DECIMAL			
FACTOR			
MODEL			
PRODUCT			

5.3D

MODELING DECIMAL
MULTIPLICATION

I CAN MULTIPLY WITH FLUENCY A 3-DIGIT NUMBER BY A 2-DIGIT NUMBER USING THE STANDARD ALGORITHM

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
DECIMAL			
FACTOR			
STANDARD ALGORTIHM			
PRODUCT			

5.3B

MULTIPLY 3-DIGIT BY
2-DIGIT

I CAN SOLVE FOR QUOTIENTS OF DECIMALS TO THE HUNDREDTHS, UP TO FOUR-DIGIT DIVIDENDS AND TWO-DIGIT WHOLE NUMBER DIVISORS, USING STRATEGIES AND ALGORITHMS, INCLUDING THE STANDARD ALGORITHM

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
DIVIDEND			
DIVISOR			
QUOTIENT			

5.3G
DIVIDING
DECIMALS

I CAN SOLVE FOR PRODUCTS OF DECIMALS TO THE HUNDREDTHS, INCLUDING SITUATIONS INVOLVING MONEY, USING STRATEGIES BASED ON PLACE-VALUE UNDERSTANDINGS, PROPERTIES OF OPERATIONS, AND THE RELATIONSHIP TO THE MULTIPLICATION OF WHOLE NUMBERS

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
DECIMAL			
FACTOR			
PRODUCT			

5.3E

MULTIPLYING
DECIMALS

I CAN ADD AND SUBTRACT POSITIVE RATIONAL NUMBERS FLUENTLY

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
ADDEND			
DIFFERENCE			
SUBTRAHEND			
SUM			

5.3K

ADD OR SUBTRACT
DECIMALS

I CAN ESTIMATE TO DETERMINE SOLUTIONS TO MATHEMATICAL AND REAL-WORLD PROBLEMS
INVOLVING ADDITION, SUBTRACTION, MULTIPLICATION, OR DIVISION

WORD	DEFINITION	WHAT ELSE CAN IT BE	PICTURE
ESTIMATE			
OPERATION			
ROUND			

5.3A

ESTIMATION WITH
DECIMALS

I CAN REPRESENT THE VALUE OF THE DIGIT IN DECIMALS THROUGH THE THOUSANDTHS USING EXPANDED NOTATION AND NUMERALS AND COMPARE AND ORDER TWO DECIMALS TO THOUSANDTHS AND REPRESENT COMPARISONS USING THE SYMBOLS $>$, $<$, OR $=$

STANDARD FORM									
WORD FORM									
EXPANDED FORM									
EXPANDED NOTATION									

WORD	DEFINITION	SYNONYMS	PICTURE
GREATER THAN			
LESS THAN			
EQUAL TO			

5.2A/B
PLACE VALUE AND
COMPARING DECIMALS

5TH GRADE MATH DICTIONARY

NAME _____ TEACHER _____ BLOCK _____