

FOUNDATIONS MATH
EVALUATION SCOPE &
SEQUENCE

Unit 01
Counting 1-5
Groups of how many
Numbering 1-5

Unit 02
Counting 1-9
Groups of how many
Numbering 1-9

Unit 03 & 04
Addition 1-5
More
Facts
Vertical addition

Unit 05 & 06
Subtraction 1-5
Vertical subtraction

Unit 07
Writing numbers 1-20
Count, write

Unit 08
Addition
Sums from 10-18

Unit 09
Subtraction
Double-digit numbers

Unit 10-12
Time
Clock (hours)
Number words
Money (penny, dime, nickel)
Match symbol with word

Unit 13
Numbers 1-100
Writing

Counting by 10's
Recognizing symbols (-, +)
Work word problems with
addition/ subtraction facts

Unit 14
Add 3, 1-digit addends
vertically
Work word problems with 3
addends

Unit 15
Numbers 101-200
Writing
Subtracting multiples of 10

Unit 16
Add/subtract 2 digits
plus/minus 1 or 2 digits

Unit 17
Add/subtract 3 digit numbers
plus/minus 3 digit numbers
Work word problems with 3
digits plus/minus 3 digits

Unit 18
Work addition/subtraction
facts vertically/horizontally
Work word problems with add
and carry 2 digits plus 1 digit

Unit 19 – 20
Add and carry 2 digits plus 1
digit
Subtract and borrow 2 digits
minus 1 digit

Unit 21
Borrow and subtract 2 digits
minus 1 digit

Unit 22
Money (nickels, dimes,
pennies)

Write numbers to count on a
number line

Unit 23
Tell time on the hour, half-
hour, quarter hour
Tell time at various times

Unit 24
Weights and measures
Pint, quart, gallon, cups
Equivocating measurements

Unit 25
Word problems involving units
of volume measurement
Subtract 2 digits from 2 digits

Unit 26 - 28
Adding 2 digits to 2 digits
Adding and subtracting 4
digits plus/minus 4 digits
Multiplying by 2 and 3

Unit 29
Alternate working 3 digits
plus 3 digits with 3 digits
minus 3 digits
Multiplying by 0,2,3,4

Unit 30
Vertically add 4, 1 and 2 digit
addends
Borrow and subtract from
100s- 3 digits minus 3 digits
Multiply by 5

Unit 31
Add and carry to 10's and
100's – 3 digits plus 2 or 3
digits
Roman numerals I-V
Write to 20 by 2's
Write to 50 by 5's
Identify greater and less than
Multiply by 6

Unit 32
Multiply by 4,6,7

Unit 33
Multiply by 8

Unit 34
Multiply by 6,8,9

Unit 35
Identify time on a clock for on the hour, $\frac{1}{4}$ hour, $\frac{1}{2}$ hour

Unit 36
Money (dimes, nickel, pennies, dollar)
Pricing
Divide a group in half

Unit 37
Multiply by 10

Unit 38
Multiply by 11
Divide by 1 and 2
Word problems – multiplication

Unit 39
Divide by 3

Unit 40
Multiplication with carrying
10's 2 digits by 1 digit
Divide by 4
Word problems – multiplication

Unit 41
Roman numerals
Divide by 5

Unit 42
Multiplication with carrying to 10's and 100's 2 digits by 2 digits

Unit 43
Division by 7

Unit 44
Multiplication with carrying to 10's, 100's, 1000's 3 digits by 1 digit
Divide by 8
Division with remainders

Unit 45
Multiplication with carrying to 100's 2 digits by 2 digits
Multiplying with zero
Divide by 9

Unit 46
Fractions
Pie charts

Unit 47
Division by 2-5
Subtracting like fractions

Unit 48
Coins and amount (penny, nickel, dime, quarter, dollar)
Word problems
Counting change (word problems)
Number words

Unit 49
Whole numbers and fractions
Division

Unit 50
Subtraction with borrowing
3 and 5 digits
4 and 5 digits
5 and 5 digits
Identifying digit places

Unit 51
Fractions

Larger than $>$ or smaller $<$
Division with remainders as fractions
Factoring
Commutative property
Greatest Common Factor
Reducing fractions to lowest terms
Prime numbers

Unit 52
Rounding to 10's
Multiplication with carrying 3 digits by 2 digits
Division with remainders
Adding and subtracting fractions
Reduce to lowest terms
Word problems
-Identifying multiples
-Probability

Unit 53
Comparing fractions and decimals
Greater than $>$, less than $<$, or equal $=$
Multiplication with 0
Finding perimeter
Multiplication with carrying 3 digits by 3 digits

Unit 54
Decimals and fractions
Change fractions to decimals
Fractions equal to one
Estimating and rounding to 100's
Changing improper fractions to whole and mixed numbers

Unit 55
Whole numbers, fractions, mixed numbers and decimals
Subtraction, multiplication, addition

Division with remainders
Multiplication with carrying
Percentages
Finding area

Unit 56
Decimals, fractions and mixed numbers
Roman numerals
Division by 10 or 100
Subtraction of mixed numbers
Multiplication of fractions using cancellation
Geometry terms and vocabulary

Unit 57
Finding averages
Finding ratios
Addition and subtraction of mixed numbers
Multiplication of fractions and whole numbers with cancellation
Geometry terms
Identifying geometric shapes

Unit 58
Division with and without remainders
Multiplication of decimals
Addition and subtracting of mixed numbers
Reducing fractions to lowest terms

Unit 59
Finding the missing addend
Division with and without remainders
Finding the missing factor
Decimals
Multiplication of mixed numbers
Rounding decimals to whole numbers

Time

Unit 60
Money – rounding to dollars
Measurement
Metric
Standard

Unit 61
Long addition with carrying
Multiplication 3 digits by 3 digits
Division with remainders
Addition of like fractions
Reducing fractions to lowest terms
Unit 62
Subtraction of like fractions
Addition of like fractions
Reducing

Unit 63
Division by 2 and 3 digits
Multiplication of fractions with cancellation

Unit 64
Multiplication of fractions
Reduce to lowest terms
Division with remainders as fractions
Number words

Unit 65
Least Common Denominator
Changing improper fractions to whole numbers

Unit 66
Multiplication of fractions
Division of mixed numbers
Addition and subtraction of mixed numbers
Reducing answers to lowest terms

Unit 67
Decimals and fractions
Change fractions to decimals
Change decimals to fractions
Reduce answers to lowest terms
Number words

Unit 68
Fractions, decimals, mixed numbers
Word problems
Addition
Subtraction

Unit 69
Roman numerals
Decimals
Multiplication
Addition
Subtraction

Unit 70
Division of decimals
Multiplication of mixed numbers
Reducing to lowest terms

Unit 71
Metric system of measurement
Length, weight, volume

Unit 72
Money
English system of measurement

Unit 73
Number words

Unit 74
Rounding decimals
Comparing fractions
Greater than $>$, Less than $<$

Unit 75
Fractions, decimals and percents
Changing percents to fractions
Changing fractions to percents
Finding the number when percent is known
Changing decimals to percents

Unit 76
Probability
Roman numerals
Plotting graphs

Unit 77
Arithmetic in business
Commission
Profit and loss
Discount
Successive discounts

Unit 78
Reading electric meters

Unit 79
Banks
Interest
Loans
Money – making change

Unit 80
Metric units of measurement
English units of measurement
Converting Fahrenheit to Celsius
Converting Celsius to Fahrenheit

Unit 81
Basic Geometry
Lines
Angles
Add and subtract angles

Unit 82
Geometric vocabulary
Find measurement of angles
Corresponding angles
Finding perimeter

Unit 83
Circumference
Area
Perimeter
Volume

Unit 84
Introduction to equations
Vocabulary and symbols

Unit 85
Rate
Time
Distance

Unit 86
Equation solving
One step
Two step
Opposite operations
With fractions

Unit 87
Equations from written problems
Formula equations in problem solving

Unit 88
Volume and surface area formulae
Prism
Cone
Sphere

Unit 89
Calculating prime factors
Lowest Common Denominator
Simplifying fractions

Unit 90
Square root
Use of Pythagorean theorem
Right angles

Unit 91
Banks
Interest
Simple interest
Compound interest

Unit 92
Mortgages
Bonds
Investments

Unit 93
Taxes
Property taxes

Unit 94
Insurance
Premiums

Unit 95
Metric system
Compare English system to metric system

Unit 96
Adding and subtracting
Positive to a negative
Negative to a positive
Number words