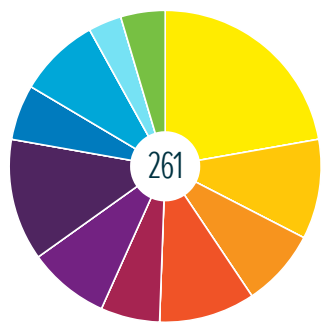# ALEKS Pie Report

261

Date: **05/20/2022**

Student Name : **Carlyle Warner**

Login Name : **CWARNER919**

Class Name : **Mathematics - LV 5**

Class Completion Knowledge Check
03/18/2022

261 Mastered | **0** Learned | **0** Remaining

⌄ Ready To Learn 0

⌄ Learned 0

⌄ Mastered 261

🟡 **Place Value and Review of Arithmetic**

Adding 2-digit numbers without regrouping

Multiplying 2-digit and 1-digit numbers without regrouping

Subtraction of 2-digit numbers with regrouping

Subtraction of 2-digit numbers without regrouping

Numeral translation: Problem type 1

Adding 2-digit numbers with regrouping a ten

Numeral translation: Problem type 2

Rounding to thousands, ten thousands, or hundred thousands

Ordering large numbers

Rounding to tens or hundreds

Rounding to hundreds or thousands

Whole number place value: Problem type 1

Whole number place value: Problem type 2

Multiplication as repeated addition

Expanded form: 2 and 3-digit numbers

Expanded form: 4 and 5-digit numbers

Adding 3 or 4 numbers with two-digits with regrouping

Adding multiples of 10 and 100

Subtracting multiples of 10 and 100

Estimating a sum of whole numbers: Problem type 1

Estimating a difference of whole numbers: Problem type 1

Adding 2-digit numbers with regrouping a hundred

Adding 3-digit numbers with regrouping

Word problem with addition or subtraction of whole numbers

Subtraction with multiple regrouping steps involving 3-digit numbers

Subtraction with multiple regrouping steps involving 4-digit numbers

Addition without regrouping using place values

Adding by making a ten

Adding by making a hundred

Comparing place values of digits in a whole number: Problem type 1

Division of whole numbers given in fractional form

Using equal groups to find a total

Writing addition and multiplication sentences for equal groups

Word problem with multiplication of whole numbers

Word problem with division of whole numbers

Relating multiplication and division facts

Multiplying one-digit numbers: Problem type 1

Multiplying one-digit numbers: Problem type 2

Division facts: Problem type 1

Division facts: Problem type 2

Subtraction involving 3-digit numbers without regrouping

Finding numbers that add to a multiple of 10

Adding 3 numbers with two, three, and four-digits

One-digit addition with regrouping

Addition of 3 or 4 one-digit numbers

Adding a 2-digit number and a 1-digit number with regrouping

Subtracting a 1-digit number from a 2-digit number

Subtraction and regrouping with zeros

Using multiplication to find the number of squares

Expanded form with zeros

Introduction to inequalities

Fact families for addition and subtraction

Fact families for multiplication and division

Introduction to properties of addition

Area of a rectangle on a grid

Area of a rectangle with one-digit side lengths

Perimeter of a square or a rectangle

Perimeter of a polygon

🟡 Multiplying Whole Numbers

Multiplication of large numbers

Word problem with multiplication and addition or subtraction of whole numbers

Introduction to multiplication with a trailing zero

Multiplication with trailing zeros: Problem type 1

Multiplying 2-digit and 1-digit numbers with regrouping: Problem type 1

Multiplying 2-digit and 1-digit numbers with regrouping: Problem type 2

Multiplying multi-digit and 1-digit numbers with regrouping

Multiplying a multi-digit and a 1-digit number using an area model

Introduction to exponents

Using the distributive property to multiply two whole numbers

Word problem involving multiplicative or additive comparison

Multiplicative comparison involving groups of objects

Introduction to multiplication using an area model

Word problem on unit rates associated with ratios of whole numbers: Whole number answers

Word problem with multiplication or division of whole numbers

Introduction to multiplication of large numbers

Multiplication with trailing zeros: Problem type 2

Multiples: Problem type 1

Multiples: Problem type 2

Introduction to parentheses

Introduction to properties of multiplication

Understanding multiplication of a one-digit number with a larger number

Estimating a product

Multiplication by 10, 100, and 1000

Power of 10: Positive exponent

Writing expressions using exponents

Area of a rectangle with two-digit by one-digit side lengths

⬤ Dividing Whole Numbers

Word problem with division of whole numbers and rounding: Problem type 2

Division without regrouping

Writing a division sentence for equal groups

Writing a division sentence for equal groups and a remainder

Quotient with remainder: 1-digit divisor, 3-digit or 4-digit dividend

Division with regrouping: 1-digit divisor, 2-digit dividend

Division with regrouping: 1-digit divisor, 3-digit or 4-digit dividend

Division involving quotients with intermediate zeros: Problem type 1

Division with remainder involving quotients with intermediate zeros: Problem type 1

Division with no remainder and a two-digit divisor: Problem type 2

Division with remainder and a two-digit divisor: Problem type 1

Division with remainder and a two-digit divisor: Problem type 2

Word problem with division of whole numbers and rounding: Problem type 1

Division involving quotients with intermediate zeros: Problem type 2

Quotient with remainder: 1-digit divisor, 2-digit dividend

Word problem on quotient and remainder

Division with trailing zeros: Problem type 2

Estimating a quotient

Division with trailing zeros: Problem type 1

Whole number division: 2-digit by 2-digit, no remainder

Whole number division: 3-digit by 2-digit, no remainder

⬤ Adding and Subtracting Decimals

Decimal addition with 3 numbers

Decimal place value: Tenths and hundredths

Writing a decimal and a fraction for a shaded region

Introduction to ordering decimals

Estimating a decimal sum or difference

Word problem with addition or subtraction of 2 decimals

Word problem with addition of 3 or 4 decimals and whole numbers

Word problem with subtraction of a whole number and a decimal: Regrouping with zeros

Rounding decimals

Addition of decimals: Vertically aligned

Decimal addition with 2 numbers

Introduction to unit fractions

Introduction to non-unit fractions

Ordering decimals

Addition with money

Subtraction with money

Writing a decimal number less than 1 given its name

Writing a decimal number greater than 1 given its name

Converting a decimal to a proper fraction without simplifying: Basic

Converting a fraction with a denominator of 10 or 100 to a decimal

Converting a fraction with a denominator of 100 or 1000 to a decimal

Subtraction of aligned decimals

Decimal subtraction: Basic

Decimal subtraction: Advanced

Reading decimal position on a number line: Tenths

Reading decimal position on a number line: Hundredths

⭕ Multiplying and Dividing Decimals

Multiplying a decimal by a whole number

Division of a decimal by a 2-digit decimal

Division of a decimal by a whole number

Multiplication of a decimal by a power of ten

Division of a decimal by a power of ten

Word problem with multiplication of a decimal and a whole number

Word problem with division of a decimal and a whole number

Word problem with multiplication of two decimals

Word problem with division of two decimals

Multiplying decimals less than 1: Problem type 1

Multiplying a decimal less than 1 by a whole number

Division of a decimal by a 1-digit decimal: Problem type 1

Decimal multiplication: Problem type 1

Word problem with multiple decimal operations: Problem type 1

Word problem with multiple decimal operations: Problem type 2

Multiplication of a decimal by a power of 0.1

⭕ Fractions

Writing an improper fraction as a mixed number

Prime numbers

Factors

Simplifying a fraction

Least common multiple of 2 numbers

Equivalent fractions

Conversions involving division in fractional form and whole numbers

Modeling and writing equivalent fractions

Understanding equivalent fractions: Problem type 1

Understanding equivalent fractions: Problem type 2

Position of fractions on a number line

Writing a fraction with denominator 10 as a fraction with denominator 100

Plotting fractions using a number line

Comparing fractions with the same denominator

Introduction to finding equivalent fractions: Multiplying

Introduction to finding equivalent fractions: Dividing

Comparing fractions by finding a common denominator

Writing a mixed number as an improper fraction

Even and odd numbers

Divisibility rules for 2, 5, and 10

Writing a mixed number and an improper fraction for a shaded region

Introduction to simplifying a fraction

○ Operations with Fractions

Fraction multiplication

Product of a unit fraction and a whole number

Product of a fraction and a whole number: Problem type 1

The reciprocal of a number

Introduction to fraction multiplication

Addition or subtraction of mixed numbers with the same denominator

Addition or subtraction of fractions with different denominators

Word problem involving multiplying a fraction and a whole number

Word problem involving addition or subtraction of fractions with the same denominator

Writing unit fractions with a common denominator to add or subtract

Writing fractions with a common denominator to add or subtract

Addition of mixed numbers with the same denominator and renaming: Problem type 1

Addition of mixed numbers with the same denominator and renaming: Problem type 2

Subtraction of mixed numbers with the same denominator and renaming: Problem type 1

Subtraction of mixed numbers with the same denominator and renaming: Problem type 2

Division involving a whole number and a unit fraction

Multiplying mixed numbers: Problem type 1

Multiplying mixed numbers: Problem type 2

Product of a fraction and a whole number: Problem type 2

Modeling multiplication of proper fractions

Multiplying a mixed number and a whole number: Problem type 1

Multiplying a mixed number and a whole number: Problem type 2

Addition or subtraction of fractions with the same denominator

Finding the LCD of two fractions

Addition or subtraction of fractions with the same denominator and simplification

Word problem involving addition or subtraction of fractions with different denominators

Addition or subtraction of mixed numbers with different denominators without renaming

Addition of mixed numbers with different denominators and renaming

Subtraction of mixed numbers with different denominators and renaming

Word problem involving addition or subtraction of mixed numbers with different denominators

Word problem involving fractions and multiplication

Determining if a quantity is increased or decreased when multiplied by a fraction

Area of a rectangle with fractional side lengths

○ Expressions and Equations

Additive property of equality with whole numbers

Reading a point in quadrant 1

Plotting a point in quadrant 1

Function tables with one-step rules

Evaluating an algebraic expression: Whole number addition or subtraction

Evaluating an algebraic expression: Whole numbers with two operations

Evaluating an algebraic expression: Whole number multiplication or division

Finding patterns in shapes

Introduction to solving an equation with multiplication or division

Finding the next terms of an arithmetic sequence with whole numbers

Finding the next terms of a geometric sequence with whole numbers

Order of operations with whole numbers

Order of operations with whole numbers and grouping symbols

Introduction to order of operations

Describing an increasing or decreasing pattern from a table of values

○ Measurement

Conversion table with U.S. Customary volume

Word problem involving metric mass or volume: Multiplication or division

Word problem involving metric mass or volume: Addition or subtraction

Measuring length to the nearest inch

Measuring length to the nearest quarter or half inch

Conversions involving measurements in feet and inches

Constructing a line plot

Interpreting a tally table

Measuring length to the nearest centimeter

Constructing a line plot with fractional values: Fourths

Metric distance conversion with whole number values

Metric mass or volume conversion with whole number values

Metric distance conversion with decimal values

U.S. Customary unit conversion with whole number values: Two-step conversion

U.S. Customary unit conversion with mixed number values: One-step conversion

Conversion table with U.S. Customary length

Conversion table with U.S. Customary weight

Conversion table with metric distance

Conversion table with metric mass or volume

U.S. Customary length conversion with whole number values

U.S. Customary volume conversion with whole number values

U.S. Customary weight conversions with whole number values

Geometry

Acute, obtuse, and right angles

Acute, obtuse, and right triangles

Properties of quadrilaterals

Identifying parallel and perpendicular lines

Naming polygons

Classifying scalene, isosceles, and equilateral triangles by side lengths

Shared attributes among categories of quadrilaterals

Classifying angles as smaller than right, right, larger than right

Identifying parallelograms, rectangles, and squares

Perimeter, Area, and Volume

Writing equivalent expressions for the volume of a rectangular prism

Finding the missing length in a figure

Finding the area of a composite figure on a grid

Relating the area of a rectangle to multiplying its side lengths

Word problem involving the area of a rectangle: Problem type 1

Introduction to area of a piecewise rectangular figure

Word problem on finding the area of a piecewise rectangular figure

Volume of a piecewise rectangular prism

Word problem involving the volume of a piecewise rectangular prism

Volume of a rectangular prism

Area of a piecewise rectangular figure

Volume of a rectangular prism made of unit cubes