

Last Updated 6/16/22

**Rising Pre-Algebra - Select 6th Grade (NO CALCULATORS)**

**Minimum Smart Score of 65 Required**

**A Whole Numbers**

7 Add and subtract whole numbers: word problems

**B Multiplication**

2 Multiply whole numbers: word problems

6 Multiply three or more numbers

**C Division**

1 Divisibility rules

5 Divide whole numbers - 2-digit divisors

6 Divide whole numbers - 3-digit divisors

**E Number theory**

4 Identify factors

6 Prime factorization

8 Greatest common factor

10 Least common multiple

**F Decimals**

2 Decimal place value

5 Inequalities with decimals

6 Round Decimals

**G Add and subtract decimals**

2 Add and subtract decimals: word problems

**H Multiply and divide decimals**

2 Multiply decimals

6 Multiply and divide decimals by powers of ten

8 Division with decimal quotients

**I Fractions and mixed numbers**

3 Equivalent fractions review

4 Write fractions in lowest terms

6 Compare and order fractions

8 Convert between improper fractions and mixed numbers

**L Divide fractions**

2 Reciprocals

3 Divide whole numbers and unit fractions

7 Divide fractions and mixed numbers

**Q Problem solving and estimation**

2 Multi-step word problems

**R Ratios and rates**

9 Unit rates

17 Solve the proportion

**S Percents**

4 Convert between percents, fractions, and decimals

13 Find what percent one number is of another

15 Find the total given a part and a percent

**T Units of measurement**

3 Convert and compare customary units

4 Convert, compare, add, and subtract mixed customary units

5 Multiply and divide mixed customary units

7 Convert and compare metric units

**V Consumer math**

2 Unit prices

7 Percents - calculate tax, tip, mark-up, and more

**Y Expressions and properties**

1 Write variable expressions: one operation

**Z One-variable equations**

2 Which x satisfies an equation?

**CC Two-dimensional figures**

2 Measure and classify angles

|   |
|---|
| 11 Convert between decimals and fractions                       |
| 12 Convert between decimals and mixed numbers                   |
| 14 Put a mix of decimals, fractions, and mixed numbers in order |

|   |
|---|
| <b>J Divide decimals</b>                              |
| 3 Add and subtract fractions with unlike denominators |
| 6 Add and subtract mixed numbers                      |

|                                     |
|-------------------------------------|
| <b>K Multiply fractions</b>         |
| 6 Multiply two fractions            |
| 7 Multiply fractions: word problems |
| 13 Multiply mixed numbers           |

|   |
|---|
| <b>FF Geometric measurement</b>           |
| 1 Perimeter                               |
| 2 Area of rectangles and squares          |
| 6 Area of triangles                       |
| 18 Volume of cubes and rectangular prisms |

Select 7th Grade to complete the following

|                                  |
|----------------------------------|
| <b>W Two-dimensional figures</b> |
| 22 Parts of a circle             |

|                                |
|--------------------------------|
| <b>Y Geometric measurement</b> |
| 5 Area of circles              |
| 6 Circumference of circles     |