

Mental Math Medley

Description

Mental Math Medley requires students to solve problems presented verbally and record the answers on a provided answer sheet.

Procedure

Each problem will be read once. When the leader says "Write the answer," your answer should be written on the answer sheet.

Below are some of the areas from which problems will be chosen. The actual competition problems may not be in the exact form as below. Studying these areas will help you do well on this competition. Answers are in parentheses.

Mathematical Vocabulary (all operations)

- a) Find the sum of 15 and 26. (41)
- b) Find the difference between 2.6 and 0.8. (1.8)
- c) Find the product of $\frac{1}{2}$ and $\frac{1}{3}$. ($\frac{1}{6}$)
- d) Find the quotient of \$18.00 and 3. (\$6.00)

Approximate Calculations (Mixed Operations with Whole Numbers)

Is the answer between 2000 and 3000?

- a) $400 \times 9 =$ (No)
- b) $1000 + 1500 =$ (Yes)

Money

Set A

- a) What is $\frac{1}{4}$ of \$1.00? (\$.25)
- b) $\$4000 + \$6 + \$50 =$ (\$4056)

Adding and Subtracting Multiples of 10 and 100

- a) $1100 - 30 =$ (1070)
- b) $110 + 30 =$ (1400)

Multidigit Addition and Subtraction

- a) $50 + 25 =$ (75)
- b) $1075 - 50 =$ (1025)

Multiples of 10: Multiplication and Division

- a) $6 \times 10 =$ (60)
- b) $800 \div 100 =$ (8)

Multiplying and Dividing by Powers of 10 (Including Decimals)

- a) 4.3×10 (43)
- b) $71 \div 100$ (.71)

Addition and Subtraction of Fractions (Emphasizing Fraction Concepts)

Is the answer greater than, smaller than or equal to 1?

- a) $\frac{5}{8} + \frac{3}{8}$ (equal to)
- b) $\frac{4}{12} + \frac{1}{3}$ (smaller than)

Fractional Parts of Sets (Unit Fractions)

- a) $\frac{1}{4}$ of 24 (6)
- b) $\frac{1}{3}$ of 36 (12)