

Science and Technology Program

Prince George's County Public Schools

STP Centers:

C. H. Flowers High School
Eleanor Roosevelt High School
Oxon Hill High School

Numeric Reasoning Test:

Questions are multiple choice. Scratch paper is provided. No calculators! Material is based on arithmetic (whole numbers, fractions, decimals), reasoning with numbers and symbols, use of simple formulas, pattern recognition, and problem solving. Mathematics concepts extend to Pre-Algebra only! **Speed and accuracy** are extremely important.

Below are four examples showing a few of the types of problems you might encounter.

Note: they are samples only!

1) $x^* = (2 + x)/x$

Find 4^*

- A. $3/4$
- B. $2/3$
- C. $3/2$
- D. 2

2) If $a = 1$ and $b = 1/2$ which expression is **greatest**?

- A. $a + b$
- B. $a - b$
- C. $a \times b$
- D. a / b

Do you remember how to do these sorts of math problems?

3) What is **3%** of 600 ?

- A. 597
- B. 200
- C. 20
- D. 18

4) What is the **sum** of 0.5, 1.02, and 0.007 ?

- A. 1.57
- B. 1.527
- C. 1.77
- D. 6.09

Suggested answers:

1C, 2D, 3D, 4B