

Hanover Schools

Mathematics Curriculum Quick Reference Guide

Grade 5

(Note: This quick reference guide only lists mastery skills. Additionally, teachers should address developing skills as outlined in the Hanover Schools Mathematics Curriculum Document.)

TERM I:

___ 5.N.1 - *Demonstrate an understanding of (positive integer) powers of ten, e.g., 10², 10⁵.*

___ 5.N.2 - *Demonstrate an understanding of place value through millions and thousandths.*

___ 5.N.3 - *Represent and compare large (millions) and small (thousandths) positive numbers in various forms, such as expanded notation without exponents, e.g., $9724 = 9 \times 1000 + 7 \times 100 + 2 \times 10 + 4$.*

___ 5.N.9 - *Solve problems involving multiplication and division with whole numbers.*

___ 5.N.12 - *Accurately and efficiently add and subtract whole numbers and positive decimals. Multiply and divide (using double-digit divisors) whole numbers. Multiply positive decimals with whole numbers.*

Hanover Schools
Mathematics Curriculum Quick Reference Guide
Grade 5

(Note: This quick reference guide only lists mastery skills. Additionally, teachers should address developing skills as outlined in the Hanover Schools Mathematics Curriculum Document.)

TERM II:

_____ 5.N.5 - *Identify and determine common equivalent fractions (with denominators 2, 4, 5, 10) and mixed numbers (with denominators 2, 4, 5, 10), decimals, and percents (through one-hundred percent), e.g., $\frac{3}{4}=0.75=75\%$.*

_____ 5.N.8 - *Apply the number theory concepts of common factor, common multiple, and divisibility rules for 2, 3, 5, and 10 to the solution of problems. Demonstrate an understanding of the concepts of prime and composite numbers.*

_____ 5.N.10 - *Demonstrate an understanding of how parentheses affect expressions involving addition, subtraction, and multiplication, and use that understanding to solve problems, e.g., $3x(4+2)=3x6$.*

_____ 5.N.13 - *Accurately and efficiently add and subtract positive fractions and mixed numbers with like denominators and with unlike denominators (2, 4, 5, 10 only); multiply positive fractions with whole numbers.*

Hanover Schools
Mathematics Curriculum Quick Reference Guide
Grade 5

(Note: This quick reference guide only lists mastery skills. Additionally, teachers should address developing skills as outlined in the Hanover Schools Mathematics Curriculum Document.)

TERM III:

_____ 5.N.7 - Compare and order whole numbers, positive fractions, positive mixed numbers, positive decimals, and percents.

_____ 5.G.1 - Identify, describe, and compare special types of triangles (isosceles, equilateral, right) and quadrilaterals (square, rectangle, parallelogram, rhombus, trapezoid).

_____ 5.G.5 - Describe and perform transformations on two-dimensional shapes, e.g., translations, rotations, and reflections.

_____ 5.M.1 - Apply the concepts of perimeter and area to the solution of problems involving triangles and rectangles. Apply formulas where appropriate.

_____ 5.M.2 - Identify, measure, describe, classify, and draw various angles. Draw triangles given two sides and the angle between them, or given two angles and the side between them, e.g., draw a triangle with one right angle and two sides congruent.

_____ 5.D.1 - Given a set of data, find the median, mean, mode, maximum, minimum, and range, and apply to solutions of problems.

_____ 5.D.2 - Construct and interpret line plots, line graphs, and bar graphs. Interpret and label circle graphs.

*****Continue to review and re-teach mastery standards from terms I and II based on the needs of your class. Expose children to developing and enriching standards during term III as well.*****