

2017 6-8 Mathematics Standards Major Revisions At-A-Glance

General changes:

- Many of the standards with multiple parts were rewritten using bullets to make the expectations clear and concise.
- Language was incorporated into standards to add clarity of expectations.
- Examples were removed from the standards and placed in the instructional support documents.
- Footnotes were removed and placed in the standards or instructional support documents.
- Some standards were combined to make the expectation more concise while other standards were separated for clarity.
- Cluster headings are an organizational tool. They are no longer necessary for interpretation of the standard.

Considerations:

- Expectations expressed in a grade level are not repeated in higher grade levels but should be maintained and built upon.
- Further explanation and expectation of standards (what student should know and do) will be found in the instructional support documents.

| Major Revisions | | |
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| 6 th Grade | 7 th Grade | 8 th Grade |
| <ul style="list-style-type: none"> • NC.6.RP.2 Work with equivalent unit ratios are emphasized. • NC.6.NS.1 Develop using common denominators to divide fractions. • NC.6.NS.4 Determining GCF/LCM using prime factorization; using LCM to add and subtract fractions with uncommon denominators. • NC.6.NS.9 Using models build conceptual understanding when adding and subtracting integers • NC.6.SP.3 Developing understanding of mean and median; MAD removed – understanding variability through graphical means ONLY. | <ul style="list-style-type: none"> • NC.7.RP.2a Comparing proportional relationships using tables, graphs, equations and verbal descriptions was moved from 8th grade. • NC.7.RP.3 Using scale factors and unit rates to solve proportion problems • NC.7.SP.3a Developing understanding for calculating MAD and IQR were added. <p>Removed Standards:</p> <ul style="list-style-type: none"> • 7.G.3 Cross sections were removed • 7.SP.3 Quantifying the difference of measures of center of two data sets as a multiple of a measure of variability was removed. | <ul style="list-style-type: none"> • NC.8.NS.2 Limits irrational numbers to square roots, cube root and pi. • NC.8.EE.2 Limits perfect square and perfect cube numbers to positive numbers less than or equal to 400. • NC.8.EE.4 Limits operations of numbers in scientific notation to multiplication and division. • NC.8.EE.8 Limits linear equations in systems of equations to slope-intercept form; limits solving systems of equations to using graphs. • NC.8.G.9 Understand how the formulas for volume are related and use to solve problems. <p>Removed Standard:</p> <ul style="list-style-type: none"> • 8.EE.5 Comparing proportional relationships was moved to 7th grade (NC.7.RP.2a). |