**2016 Grades 6 – 8 Mathematics SOL True or False? Activity**

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| **Statements – True or False??** | **T or F?** | **Notes** |
| 1. Students add and subtract integers in Grade 6 and multiply and divide integers in   Grade 7. |  |  |
| 1. In Grade 7, transformations include translations and reflections with right triangles and rectangles only. In Grade 8, transformations include translations and reflections with any polygon and dilations with only right triangles and rectangles. |  |  |
| 1. In Grade 6 Computation and Estimation, students will solve practical problems involving rational numbers (both positive and negative). |  |  |
| 1. Properties of quadrilaterals were moved from Grade 6 to Grade 7. |  |  |
| 1. Students in Grade 7 will write equations of lines and graph lines written in *y* = *mx* form and *y* = *x* + *b* form. |  |  |
| 1. Grade 8 Probability and Statistics includes comparing dependent and independent events, which was moved from Grade 6. |  |  |
| 1. In Grade 8 Patterns, Functions and Algebra, students will solve multistep equations up to three steps only, which may include distributing or combining like terms. |  |  |
| 1. In grades 6-8 the focus of the standards will shift from correctly identifying the names of the properties of real numbers and properties of equality and inequality to correctly applying these properties. |  |  |
| 1. Writing the equation of a line parallel and perpendicular to a given line through a given point has been added to Grade 8. |  |  |
| 1. Ballpark comparisons are included in Grade 6, Measurement and Geometry strand. |  |  |
| 1. Arithmetic and geometric sequences are no longer addressed in the Grades 6 – 8 standards. |  |  |
| 1. Determining the unit rate and finding the missing value in a ratio table is included in Patterns, Functions and Algebra in Grade 7. |  |  |
| 1. The Fundamental Counting Principle is now addressed in Grade 5 Probability and Statistics versus Grade 7. |  |  |
| 1. Grade 8, Patterns, Functions and Algebra, includes graphing linear functions in  *y* = *mx* + *b* form. |  |  |
| 1. Triangular-based and square based pyramids are addressed in Grade 8. |  |  |

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| **Statements – True or False??** | **T or F?** | **Notes** |
| 1. Students add and subtract integers in Grade 6 and multiply and divide integers in Grade 7. | F | All operations with integers included in Grade 6 C&E |
| 1. In Grade 7, transformations include translations and reflections with right triangles and rectangles only. In Grade 8, transformations include translations and reflections with any polygon and dilations with only right triangles and rectangles. | T |  |
| 1. In Grade 6 Computation and Estimation, students will solve practical problems involving rational numbers (both positive and negative). | F | Included in Grade 7 C&E, not Grade 6 |
| 1. Properties of quadrilaterals were moved from Grade 6 to Grade 7. | T |  |
| 1. Students in Grade 7 will write equations of lines and graph lines written in *y* = *mx* form and *y* = *x* + *b* form. | T |  |
| 1. Grade 8 Probability and Statistics includes comparing dependent and independent events, which was moved from Grade 6. | T |  |
| 1. In Grade 8 Patterns, Functions and Algebra, students will solve multistep equations up to three steps only, which may include distributing or combining like terms. | F | Includes solving multistep equations up to four steps |
| 1. In grades 6-8 the focus of the standards will shift from correctly identifying the names of the properties of real numbers and properties of equality and inequality to correctly applying these properties. | T |  |
| 1. Writing the equation of a line parallel and perpendicular to a given line through a given point has been added to Grade 8. | F | Included in Algebra I, not Grade 8 |
| 1. Ballpark comparisons are included in Grade 6, Measurement and Geometry strand. | F | Included in Grade 7 C&E as a context for solving problems with proportions |
| 1. Arithmetic and geometric sequences are no longer addressed in the Grades 6 – 8 standards. | T |  |
| 1. Determining the unit rate and finding the missing value in a ratio table is included in Patterns, Functions and Algebra in Grade 7. | F | Included in Grade 6 PFA |
| 1. The Fundamental Counting Principle is now addressed in Grade 5 Probability and Statistics versus Grade 7. | T |  |
| 1. Grade 8, Patterns, Functions and Algebra, includes graphing linear functions in  *y* = *mx* + *b* form. | T |  |
| 1. Triangular-based and square based pyramids are addressed in Grade 8. | F | Triangular-based pyramids removed from Grade 8 |