Grade 8

Addition	Subtraction	Multiplication	Division	Fractions
SS6- Demonstrate an understanding of tessellations by explaining the properties of shape that make tessellation possible (360^{o} at the center point)	SS6- Demonstrate an understanding of tessellations by explaining the properties of shape that make tessellation possible (360^{o} at the center point)	N1- Demonstrate an understanding of perfect squares and square root N2- Determine the approximate square root of numbers that are not perfect squares. N6- Demonstrate an understanding of multiplying fractions and mixed numbers N7- Demonstrate an understanding of multiplication of integers PR1- Graph and analyze two-variables PR2- Model and solve problems using linear equations of the form ax=b ax+b=c, a(x+b)=c SS1- Develop and apply the Pythagorean theorem to solve problems SS3- Determine the surface area of right rectangular prisms, right triangular prisms, right cylinders. SS4- Develop and apply formula for determining the volume of right prisms and right cylinders	N6- Demonstrate an understanding of dividing fractions and mixed numbers N7- Demonstrate an understanding of division of integers PR2- Model and solve problems using linear equations of the form: $\frac{a}{x} = b, x \neq 0,$ $\frac{a}{x} = b = c, x \neq 0$	N3- Demonstrate an understanding of percents greater than 100% or less than 1% N4- Demonstrate an understanding of ratio and rate. N5- Solve problems that involve rate, ratios and proportional reasoning. N6- Demonstrate an understanding of multiplying and dividing fractions and mixed numbers SP2- Solve problems involving the probability of independent events PR2- Model and solve problems using linear equations of the form: $\frac{a}{x} = b, x \neq 0, \frac{a}{x} = b = c, x \neq 0$

SS2- Draw and construct nets for 3D objects
SS5- Draw and interpret top, front and side views of 3D objects composed of right rectangular prisms.

SP1- Critique ways in which data is presented