

Summative Assessment – Volume, Area and Ratio

Standards 3, 5, 7, 10

You will research pools on the internet. You are to choose two pools to purchase for your home and calculate the volume for each of these pools. One pool will be an above ground pool and the other will be an inground pool. The measurements of the pool will be listed online and must be provided in your work. You will also calculate the area of the yard that will be covered and the ratio of the area of the pool to the whole yard.

	3	2	1	0
Calculation of the volume of above ground pool	Calculation is correct		Calculation is incorrect	No calculation
Calculation of the volume of inground pool	Calculation is correct		Calculation is incorrect	No calculation
Measurements of pool		All measurements are provided	Some measurements are provided	Few or no measurements are provided
Calculation of area of above ground pool	Calculation is correct		Calculation is incorrect	No calculation
Calculation of area of inground pool	Calculation is correct		Calculation is incorrect	No calculation
Calculation of the ratio of above ground pool	Calculation is correct		Calculation is incorrect	No calculation
Calculation of the ratio of inground pool	Calculation is correct		Calculation is incorrect	No calculation
Description of pool chosen	Detailed description of choice of pool	Some details of choice of pool	Little details of choice of pool	No description