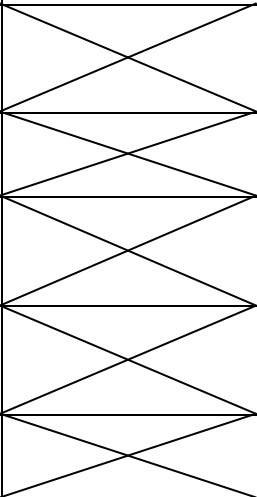


Summative Assessment – Perimeter, Area and Circumference

Standards 1, 2, 3, 8, 10

You are to choose a shower in your house to retile. You will retile the shower walls of this shower. You will be retiling the whole shower. One row of the shower tile must be different from the others (an accent row). You must also include a circle in the design of the tile. It can be any size. Along the outside of the circle you will also include an accent row of tiles. Finally, you will calculate the cost of the materials needed to retile the shower. Be sure to provide prices and websites of where the prices were found. Give a brief explanation as to why this shower was chosen instead of others.

	3	2	1	0
Measurement of the walls of each room	4 walls measured	2 – 3 walls measured	1 wall measured	0 walls measured
Calculation of total area of shower walls	Calculated correctly		Calculated incorrectly	Not calculated
Calculation of area of circle	Calculated correctly		Calculated incorrectly	Not calculated
Calculation of circumference of circle	Calculated correctly		Calculated incorrectly	Not calculated
Calculation of perimeter of shower	Calculated correctly		Calculated incorrectly	Not calculated
Calculation of cost of materials	Calculated correctly		Calculated incorrectly	Not calculated
Explanation of shower chosen	Explanation with many details	Explanation with some details	Explanation with few or no details	No explanation