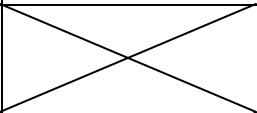


Summative Assessment – Surface Area, Perimeter, Area and Ratio

Standards 1, 3, 4, 7, 8, 10

You are to choose a bathroom in your house to remodel. First you will draw a blueprint of the bathroom that is to scale and accurate (doors, vents, windows, etc.). Then in this bathroom you will be painting the walls, replacing the floor boards and flooring in the bathroom. Finally, you will calculate the cost of all the materials needed to remodel this bathroom. You will find prices for materials on the internet. You will need to provide prices and the website for which you found the prices.

	3	2	1	0
Neatness	Drawing is neat	Drawing is somewhat neat	Drawing is messy	No drawing
Scale of drawing (x2)	Drawing has all measurements to scale	Drawing has nearly all measurements to scale	Drawing has some measurements to scale	Drawing has few or no measurements to scale
Accuracy of drawing	All parts are accurate	Most parts are accurate	Some parts are accurate	Few or no parts are accurate
Labels on drawing	All parts are labeled	Most parts are labeled	Some parts are labeled	Few or no parts are labeled
Measurement of the walls of each room	4 walls measured	2 – 3 walls measured	1 wall measured	0 walls measured
Calculation of the surface area of the walls (x2)	Calculated correctly		Calculated incorrectly	Not calculated
Calculation of the area of the room (x2)	Calculated correctly		Calculated incorrectly	Not calculated
Calculation of the floor area of the room (x2)	Calculated correctly		Calculated incorrectly	Not calculated
Calculation of the perimeter of the room (x2)	Calculated correctly		Calculated incorrectly	Not calculated
Calculation of the price for materials	Calculated correctly		Calculated incorrectly	Not calculated
Explanantion of bathroom chosen	Explanation with many details	Explanantion with some details	Explanation with few or no details	No explanantion