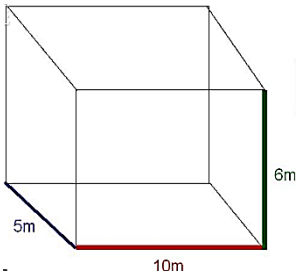
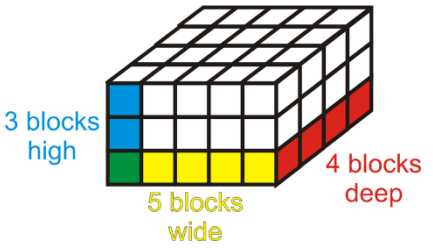
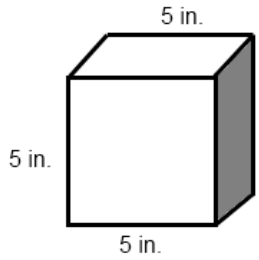
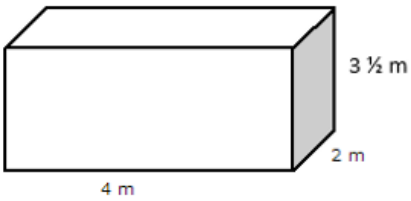
Math 6 - Unit 5: Area & Volume

Surface Area & Volume Practice

Name: _____

Class Period: 1 2 3 4 Date: _____

Rectangular Prism	Surface Area (Show work and circle your answer.)	Volume (Show work and circle your answer.) V = lwh OR V = Bh
	1) SA = _____	2) V = _____
	3) SA = _____	4) V = _____
	5) SA = _____	6) V = _____
	7) SA = _____	8) V = _____

9) Circle the choices that relate to volume. Underline the choices that relate to surface area.

Filling a pool with water Wrapping a present The amount of cereal in a box Painting a house

10) How are surface area and volume alike? _____

11) How are surface area and volume are different? _____

_____

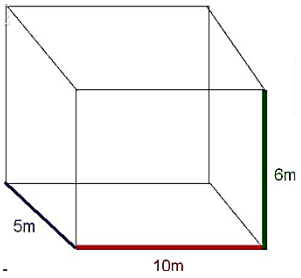
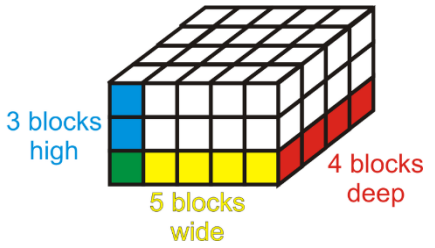
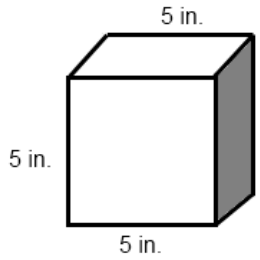
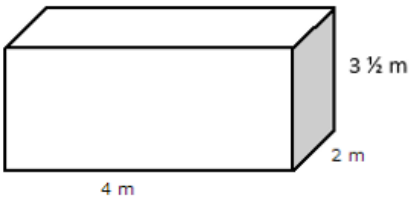
_____

Math 6 - Unit 5: **Area & Volume**

Surface Area & Volume Practice ***ANSWER KEY***

Name: _____

Class Period: 1 2 3 4 Date: _____

Rectangular Prism	**Surface Area** (Show work and circle your answer.)	**Volume** (Show work and circle your answer.) V = lwh OR V = Bh
	1) SA = **280 m²**	2) V = **300 m³**
	3) SA = **94 units²**	4) V = **60 units³**
	5) SA = **150 in²**	6) V = **125 in³**
	7) SA = **58 m²**	8) V = **28 m³**

9) Circle the choices that relate to volume. Underline the choices that relate to surface area.

Filling a pool with water Wrapping a present The amount of cereal in a box Painting a house

10) How are surface area and volume alike? **Both require you to multiply using side measurements**

11) How are surface area and volume are different? **Surface Area is the total area of all of the surfaces of the figure. It is a measurement of the area of the OUTSIDE of a figure. Volume is the total capacity of the INSIDE of a figure.**