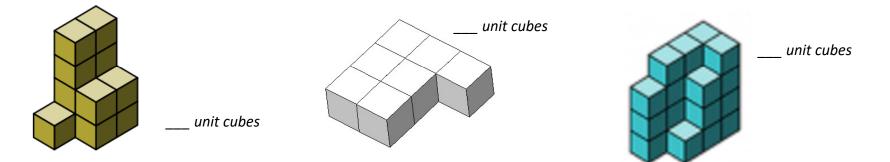
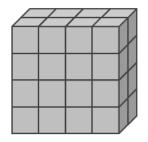
Name: _____ Unit 3B Study Guide & Review - Quiz when we return from winter break

Vocabulary: Volume:	The measurement of the amount of space taken up by something with three dimensions (LxWxH)
Unit ³ :	A unit of measurement for volume (cubic units) LXWXH
Area:	The measurement of a flat surface (LxW)
Unit ² :	A unit of measurement for area (squared units) LXW

Count the number of cubic units:



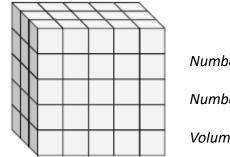
Count the layers, cubes per layer (AREA), calculate volume:



Number of layers: _____

Number of cubes per layer: _____

Volume: _____ cubic units

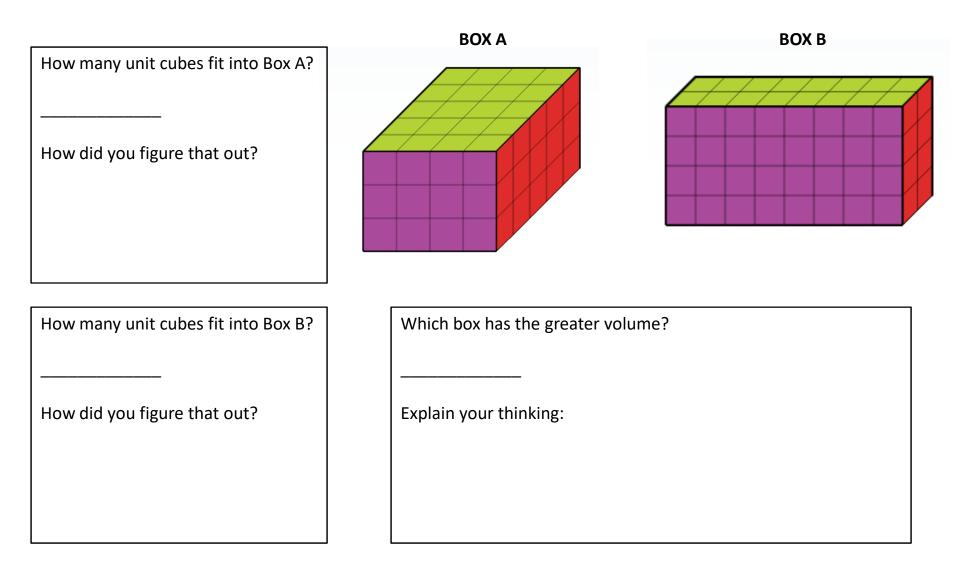


Number of layers: _____

Number of cubes per layer: _____

Volume: _____ *cubic units*

Use the information below to answwer Parts A-C



Name: _____ Unit 3B Study Guide & Review

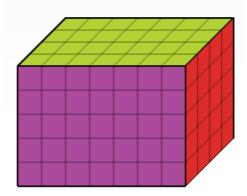
Find the volume of these rectangular prisms:

Length: 8 inches Width: 6 inches Height: 4 inches

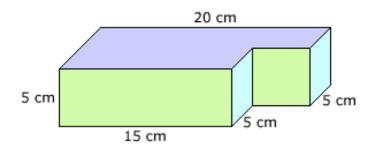
Volume:

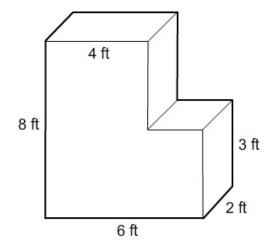
Area of the Base = 40 cm² Height: 5 cm

Volume: ____



Find the TOTAL volume of these composite prisms:



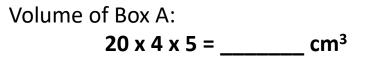


Name: _____ Unit 3B Study Guide & Review

Extended Constructed Response:

A S CM S CM

Box A is 20 cm, by 4 cm, by 5 cm Box B is 9 cm, by 4 cm, by 5 cm **Find the dimensions of all 3 boxes**



Volume of Box B: 9 x 4 x 5 = _____ cm³

