Math 6 - Unit 5: Area & Volume

Name:

End of Unit Test Study Guide

Class Period: 1 2 3 4 Date:

1) How could you determine the surface area of a triangular prism?

2) Is painting your house a real world example of surface area or volume?

3) What shape is formed by folding the following nets?









15) How much paper is needed to wrap a cube with a side length of 10 cm?

16) Draw 2 different nets that could be folded to make a cube.

17) A rectangular pool is 10 feet long, 14 ½ feet wide, and 6 feet deep. How many cubic feet of water can it hold?

18) Give a real world example of something that relates to volume.

19) If carpet costs \$5 per square yard, how much would it cost to carpet a rectangular room that is 4.5 yards wide and 15 yards long?

20) How many 2 in cubes can fit inside an 8 in cube?



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Class Period: 1 2 3 4 Date:

- 1) How could you determine the surface area of a triangular prism? Find the area of the bases (triangles) and the sides (rectangles) and add them all together.
- 2) Is painting your house a real world example of surface area or volume? Surface Area
- 3) What shape is formed by folding the following nets?







15) How much paper is needed to wrap a cube with a side length of 10 cm? 600 cm²

16) Draw 2 different nets that could be folded to make a cube.



17) A rectangular pool is 10 feet long, 14 ½ feet wide, and 6 feet deep. How many cubic feet of water can it hold? 870 ft³

18) Give a real world example of something that relates to volume. How much water can my pasta pot hold? (That is one example, there are a ton!)

19) If carpet costs \$5 per square yard, how much would it cost to carpet a rectangular room that is 4.5 yards wide and 15 yards long? \$337.50

20) How many 2 in cubes can fit inside an 8 in cube? 8 cubes

