Volume with Unit Cubes

FLORIDA GRADE 5 MATH | B.E.S.T. BENCHMARK MA.5.GR.3.1 | STUDENT WORKSHEET

Name: _____ **Date:** _____

Directions: Solve each problem. Show your work in the space provided.

1. The bottom layer of a box is 5 cubes by 2 cubes. There are 3 layers. How many cubes fill the box?

2. A box is 4 cubes long, 4 cubes wide, and 2 cubes tall. What is its volume?

3. One layer has 12 cubes. There are 5 layers. What is the volume?

4. A box holds 2 rows of 6 cubes in each layer, with 3 layers. How many cubes?

5. How many 1-cm cubes fill a box that is 3 cm by 3 cm by 3 cm?

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Volume with Unit Cubes

FLORIDA GRADE 5 MATH | B.E.S.T. BENCHMARK MA.5.GR.3.1 | ANSWER KEY

Answer Key

1. 30 cubes

10 × 3

2. 32 cubic units

3. 60 cubic units

4. 36 cubes

12 × 3

5. 27 cubes

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