Volume With Unit Cubes

Grade 5 Math Worksheet - Building Confidence

Name _____ Date _____

Volume = length × width × height. How many unit cubes fill each box?

1. A box is 8 units long, 5 units wide and 4 units high. How many unit cubes fill it? _____

2. A box is 5 units long, 6 units wide and 5 units high. How many unit cubes fill it? _____

3. A box is 7 units long, 5 units wide and 2 units high. How many unit cubes fill it? _____

4. A box is 3 units long, 5 units wide and 5 units high. How many unit cubes fill it? _____

5. A box is 4 units long, 3 units wide and 5 units high. How many unit cubes fill it? _____

6. A box is 9 units long, 6 units wide and 4 units high. How many unit cubes fill it? _____

7. A box is 9 units long, 2 units wide and 3 units high. How many unit cubes fill it? _____

8. A box is 6 units long, 6 units wide and 5 units high. How many unit cubes fill it? _____

9. A box is 2 units long, 6 units wide and 2 units high. How many unit cubes fill it? _____

10. A box is 2 units long, 2 units wide and 4 units high. How many unit cubes fill it? _____

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Volume With Unit Cubes

Answer Key - Grade 5 Math Worksheet - Building Confidence

Volume = length × width × height. How many unit cubes fill each box?

1. A box is 8 units long, 5 units wide and 4 units high. How many unit cubes fill it? **160**

2. A box is 5 units long, 6 units wide and 5 units high. How many unit cubes fill it? **150**

3. A box is 7 units long, 5 units wide and 2 units high. How many unit cubes fill it? **70**

4. A box is 3 units long, 5 units wide and 5 units high. How many unit cubes fill it? **75**

5. A box is 4 units long, 3 units wide and 5 units high. How many unit cubes fill it? **60**

6. A box is 9 units long, 6 units wide and 4 units high. How many unit cubes fill it? **216**

7. A box is 9 units long, 2 units wide and 3 units high. How many unit cubes fill it? **54**

8. A box is 6 units long, 6 units wide and 5 units high. How many unit cubes fill it? **180**

9. A box is 2 units long, 6 units wide and 2 units high. How many unit cubes fill it? **24**

10. A box is 2 units long, 2 units wide and 4 units high. How many unit cubes fill it? **16**