

Name: \_\_\_\_\_

Date \_\_\_\_\_

Topic: Comparison of Volumes of Similar Solids - Worksheet 1

Do the following:

1. If the sides of a cube are multiplied by 3, find the volume of the cube?

2. If a cone had its radius and height magnified by 10 times more, what multiplication volume will it increase?

3. If the sides of a cube are multiplied by 14, find the volume of the cube?

4. If a cone had its radius and height magnified by 8 times more, what multiplication volume will it increase?

5. If the sides of a cube are multiplied by 5, find the volume of the cube?

6. If a cone had its radius and height magnified by 9 times more, what multiplication volume will it increase?

7. If the sides of a cube are multiplied by 20, find the volume of the cube?

8. If a cone had its radius and height magnified by 4 times more, what multiplication volume will it increase?

9. If the sides of a cube are multiplied by 30, find the volume of the cube?

10. If a cone had its radius and height magnified by 6 times more, what multiplication volume will it increase?



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Topic: Comparison of Volumes of Similar Solids - Worksheet 2

Do the following:

1. If the sides of a cube are multiplied by 4, find the volume of the cube?

2. If a cone had its radius and height magnified by 20 times more, what multiplication volume will it increase?

3. If the sides of a cube are multiplied by 24, find the volume of the cube?

4. If a cone had its radius and height magnified by 6 times more, what multiplication volume will it increase?

5. If the sides of a cube are multiplied by 7, find the volume of the cube?

6. If a cone had its radius and height magnified by 12 times more, what multiplication volume will it increase?

7. If the sides of a cube are multiplied by 18, find the volume of the cube?

8. If a cone had its radius and height magnified by 2 times more, what multiplication volume will it increase?

9. If the sides of a cube are multiplied by 35, find the volume of the cube?

10. If a cone had its radius and height magnified by 16 times more, what multiplication volume will it increase?



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Topic: Comparison of Volumes of Similar Solids - Worksheet 3

Do the following:

1. *If the sides of a cube are multiplied by 13, find the volume of the cube?*
2. *If a cone had its radius and height magnified by 8 times more, what multiplication volume will it increase?*
3. *If the sides of a cube are multiplied by 20, find the volume of the cube?*
4. *If a cone had its radius and height magnified by 10 times more, what multiplication volume will it increase?*
5. *If the sides of a cube are multiplied by 9, find the volume of the cube?*
6. *If a cone had its radius and height magnified by 23 times more, what multiplication volume will it increase?*
7. *If the sides of a cube are multiplied by 19, find the volume of the cube?*
8. *If a cone had its radius and height magnified by 6 times more, what multiplication volume will it increase?*
9. *If the sides of a cube are multiplied by 5, find the volume of the cube?*
10. *If a cone had its radius and height magnified by 11 times more, what multiplication volume will it increase?*



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Topic: Comparison of Volumes of Similar Solids - Worksheet 4

Do the following:

1. If the sides of a cube are multiplied by 15, find the volume of the cube?

2. If a cone had its radius and height magnified by 9 times more, what multiplication volume will it increase?

3. If the sides of a cube are multiplied by 33, find the volume of the cube?

4. If a cone had its radius and height magnified by 42 times more, what multiplication volume will it increase?

5. If the sides of a cube are multiplied by 18, find the volume of the cube?

6. If a cone had its radius and height magnified by 46 times more, what multiplication volume will it increase?

7. If the sides of a cube are multiplied by 28, find the volume of the cube?

8. If a cone had its radius and height magnified by 12 times more, what multiplication volume will it increase?

9. If the sides of a cube are multiplied by 10, find the volume of the cube?

10. If a cone had its radius and height magnified by 22 times more, what multiplication volume will it increase?



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Topic: Comparison of Volumes of Similar Solids - Worksheet 5

Do the following:

1. *If the sides of a cube are multiplied by 14, find the volume of the cube?*
2. *If a cone had its radius and height magnified by 15 times more, what multiplication volume will it increase?*
3. *If the sides of a cube are multiplied by 26, find the volume of the cube?*
4. *If a cone had its radius and height magnified by 37 times more, what multiplication volume will it increase?*
5. *If the sides of a cube are multiplied by 8, find the volume of the cube?*
6. *If a cone had its radius and height magnified by 43 times more, what multiplication volume will it increase?*
7. *If the sides of a cube are multiplied by 23, find the volume of the cube?*
8. *If a cone had its radius and height magnified by 38 times more, what multiplication volume will it increase?*
9. *If the sides of a cube are multiplied by 20, find the volume of the cube?*
10. *If a cone had its radius and height magnified by 11 times more, what multiplication volume will it increase?*

