Volume Formula Review

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Understanding V = B × h

Name: _____ Date: _____

Answer the following questions based on today's lesson about volume.

1. What does the letter 'B' represent in the volume formula V = B × h?

- **A.** Base area
- **B.** Base length
- **C.** Base width

2. The height in the volume formula is the distance from the base to the top.

◯ True ◯ False

3. The formula for calculating the volume of a prism is V = ___ × h.

4. Why is it important to know the base area when calculating volume?

5. Which of the following is an example of a prism-shaped object?

- **A.** Sphere
- **B.** Cube
- **C.** Cone

6. The volume formula V = B × h can only be used for rectangular prisms.

◯ True ◯ False

7. How can understanding volume help us in real life? Give one example.

8. To find the volume of a triangular prism, you must first calculate the area of the ___ and then multiply by the height.

9. What do we call the perpendicular distance between the base and the top of a prism?

- **A.** Width
- **B.** Depth
- **C.** Height

10. In what ways is the formula V = B × h similar to previous volume formulas you have learned?

Answer Key

1. Base area 2. True 3. B 4. Knowing the base area helps us understand how much space the shape occupies. It allows us to apply the volume formula correctly. 5. Cube 6. False 7. Understanding volume can help us when we need to know how much liquid a container can hold. For example, knowing the volume of a fish tank helps us determine how much water to fill it. 8. triangle 9. Height 10. Both formulas involve multiplying an area by a height to find volume. They help us understand how space is filled in three-dimensional shapes.