Name: _____

Volume of Triangular Prisms

Find each volume. V = (½ × base × height of the triangle) × length.

1. A triangular prism has a base triangle with base 8 m and height 4 m, and a length of 9 m. What is its volume?

   Answer: _____

2. A triangular prism has a base triangle with base 6 m and height 3 m, and a length of 8 m. What is its volume?

   Answer: _____

3. A triangular prism has a base triangle with base 6 m and height 5 m, and a length of 3 m. What is its volume?

   Answer: _____

4. A triangular prism has a base triangle with base 6 m and height 3 m, and a length of 4 m. What is its volume?

   Answer: _____

5. A triangular prism has a base triangle with base 5 m and height 2 m, and a length of 6 m. What is its volume?

   Answer: _____

6. A triangular prism has a base triangle with base 11 m and height 7 m, and a length of 3 m. What is its volume?

   Answer: _____

7. A triangular prism has a base triangle with base 8 m and height 7 m, and a length of 7 m. What is its volume?

   Answer: _____

8. A triangular prism has a base triangle with base 4 m and height 10 m, and a length of 9 m. What is its volume?

   Answer: _____

9. A triangular prism has a base triangle with base 3 m and height 4 m, and a length of 10 m. What is its volume?

   Answer: _____

10. A triangular prism has a base triangle with base 12 m and height 3 m, and a length of 9 m. What is its volume?

    Answer: _____

11. A triangular prism has a base triangle with base 12 m and height 9 m, and a length of 13 m. What is its volume?

    Answer: _____

12. A triangular prism has a base triangle with base 12 m and height 2 m, and a length of 12 m. What is its volume?

    Answer: _____

Name: **ANSWER KEY**

Volume of Triangular Prisms

Find each volume. V = (½ × base × height of the triangle) × length.

1. A triangular prism has a base triangle with base 8 m and height 4 m, and a length of 9 m. What is its volume?

   Answer: 144 cubic m

2. A triangular prism has a base triangle with base 6 m and height 3 m, and a length of 8 m. What is its volume?

   Answer: 72 cubic m

3. A triangular prism has a base triangle with base 6 m and height 5 m, and a length of 3 m. What is its volume?

   Answer: 45 cubic m

4. A triangular prism has a base triangle with base 6 m and height 3 m, and a length of 4 m. What is its volume?

   Answer: 36 cubic m

5. A triangular prism has a base triangle with base 5 m and height 2 m, and a length of 6 m. What is its volume?

   Answer: 30 cubic m

6. A triangular prism has a base triangle with base 11 m and height 7 m, and a length of 3 m. What is its volume?

   Answer: 115 1/2 cubic m

7. A triangular prism has a base triangle with base 8 m and height 7 m, and a length of 7 m. What is its volume?

   Answer: 196 cubic m

8. A triangular prism has a base triangle with base 4 m and height 10 m, and a length of 9 m. What is its volume?

   Answer: 180 cubic m

9. A triangular prism has a base triangle with base 3 m and height 4 m, and a length of 10 m. What is its volume?

   Answer: 60 cubic m

10. A triangular prism has a base triangle with base 12 m and height 3 m, and a length of 9 m. What is its volume?

    Answer: 162 cubic m

11. A triangular prism has a base triangle with base 12 m and height 9 m, and a length of 13 m. What is its volume?

    Answer: 702 cubic m

12. A triangular prism has a base triangle with base 12 m and height 2 m, and a length of 12 m. What is its volume?

    Answer: 144 cubic m