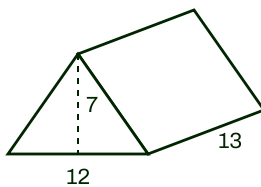


Find the volume of a prism using base area times height

NAME	DATE	SCORE / 10
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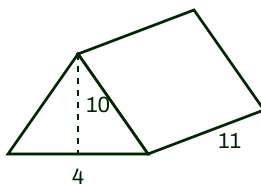
- 1** The base of a prism has an area of 21 square centimetres. The prism is 7 centimetres high. What is the volume, in cubic centimetres, of the prism?

- 2** Lengths on the triangular prism below are in centimetres, and 7 is the height of the front triangle. What is the volume, in cubic centimetres, of the prism?



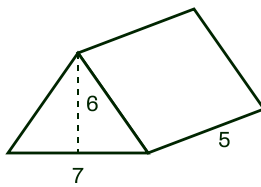
- 3** The bottom layer of a box holds 17 unit cubes. The box holds 9 layers of the same size. What is the volume, in cubic units, of the box?

- 4** Lengths on the triangular prism below are in centimetres, and 10 is the height of the front triangle. What is the volume, in cubic centimetres, of the prism?



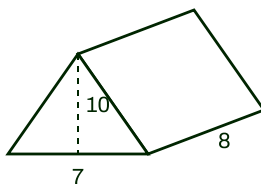
- 5** The triangle at each end of a triangular prism has an area of 22 square centimetres. The prism is 6 centimetres long. What is the volume, in cubic centimetres, of the prism?

- 6** Lengths on the triangular prism below are in centimetres, and 6 is the height of the front triangle. What is the volume, in cubic centimetres, of the prism?



- 7** The base of a fish tank is a rectangle 60 cm by 25 cm. The water in the tank is 20 cm deep. What is the volume, in cubic centimetres, of the water?

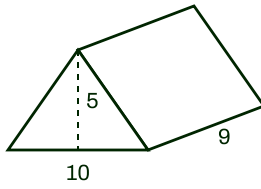
- 8** Lengths on the triangular prism below are in centimetres, and 10 is the height of the front triangle. What is the volume, in cubic centimetres, of the prism?



- 9** The base of a prism has an area of 25 square centimetres. The prism is 12 centimetres high. What is the volume, in cubic centimetres, of the prism?

10

Lengths on the triangular prism below are in centimetres, and 5 is the height of the front triangle. What is the volume, in cubic centimetres, of the prism?



Find the volume of a prism using base area times height

1 147

3 153

5 132

7 30000

9 300

2 546

4 220

6 105

8 280

10 225