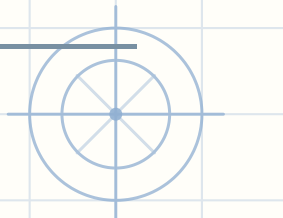


# Geometry — Missing edge

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

Date: \_\_\_\_\_



The volume of each box is shown. Find the missing edge, in centimeters.

1

$V = 90 \text{ cm}^3$

6

x

3

\_\_\_\_\_ cm

2

$V = 84 \text{ cm}^3$

x

2

6

\_\_\_\_\_ cm

3

$V = 162 \text{ cm}^3$

2

9

x

\_\_\_\_\_ cm

4

$V = 252 \text{ cm}^3$

7

6

x

\_\_\_\_\_ cm

5

$V = 220 \text{ cm}^3$

2

x

11

\_\_\_\_\_ cm

6

$V = 216 \text{ cm}^3$

x

3

12

\_\_\_\_\_ cm



## Missing edge — Answer key

1. V 90:  $x \times 6 \times 3 \rightarrow x = 5$

2. V 84:  $2 \times x \times 6 \rightarrow x = 7$

3. V 162:  $9 \times 2 \times x \rightarrow x = 9$

4. V 252:  $6 \times 7 \times x \rightarrow x = 6$

5. V 220:  $x \times 2 \times 11 \rightarrow x = 10$

6. V 216:  $3 \times x \times 12 \rightarrow x = 6$

