

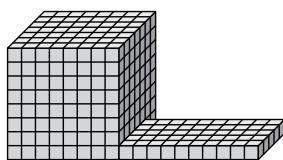


Determining Volume of Joined Rectangular Prisms Name:

Find the total volume of each figure. Measurement is in cm (not to scale).

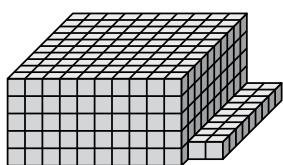
Answers

1)



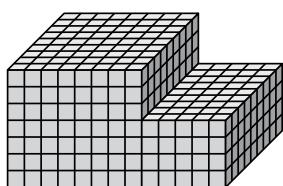
1. _____

2)



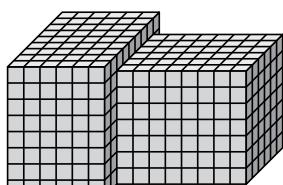
2. _____

3)



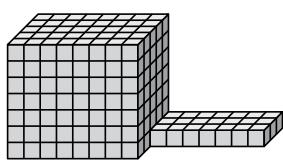
3. _____

4)

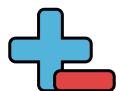


4. _____

5)



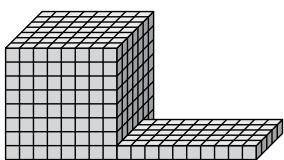
5. _____



Determining Volume of Joined Rectangular Prisms Name: **Answer Key**

Find the total volume of each figure. Measurement is in cm (not to scale).

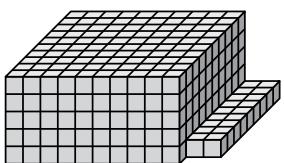
1)



$$8 \times 7 \times 8 = 448$$

$$10 \times 5 \times 1 = 50$$

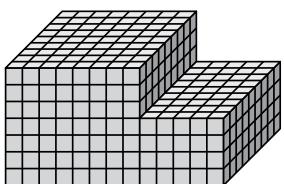
2)



$$10 \times 10 \times 5 = 500$$

$$2 \times 9 \times 1 = 18$$

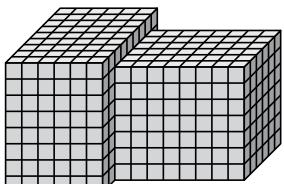
3)



$$8 \times 9 \times 7 = 504$$

$$5 \times 9 \times 4 = 180$$

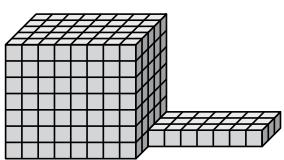
4)



$$6 \times 9 \times 8 = 432$$

$$8 \times 6 \times 7 = 336$$

5)



$$8 \times 5 \times 7 = 280$$

$$7 \times 3 \times 1 = 21$$

Answers

1. **498 cm³**

2. **518 cm³**

3. **684 cm³**

4. **768 cm³**

5. **301 cm³**