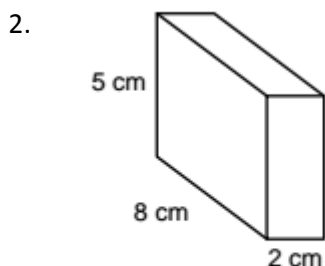


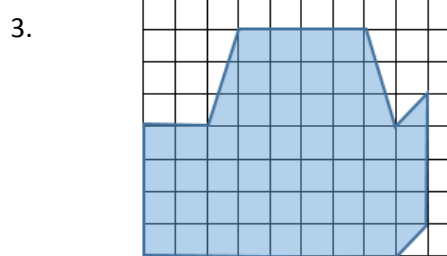
Surface Area and Volume Practice

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

1. A box needs to be covered in brown paper for mailing. If the box measures 3 feet by 3 feet by 2 feet, what is the surface area of the box that will need to be covered? **42 ft<sup>2</sup>**



Volume: 80 cm<sup>3</sup>



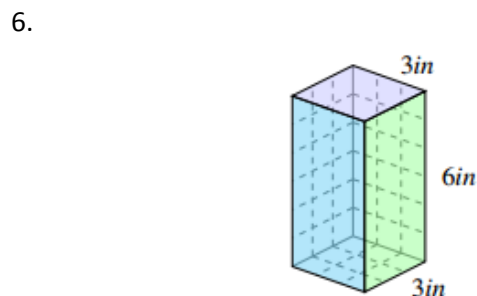
AREA: 51 units<sup>2</sup>

4. Mr. Turner is filling up a pool for his family the pool is 20ft long by 10ft wide by 5ft deep. How many cubic feet of water will it take to fill up he pool?

1000 ft<sup>3</sup>

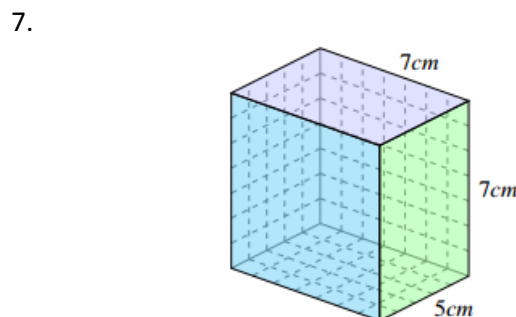
5. There are 7.5 Gallons in one cubic foot. How many gallons will he need to fill the pool? **7500 gallons**

BONUS: If water costs .005 cents per gallon how much will it cost to fill the pool? \$37.50



V: 54 in<sup>3</sup>

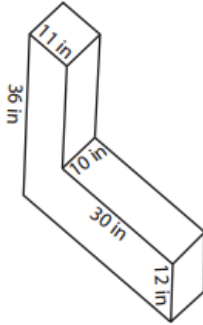
SA: 90 in<sup>2</sup>



V: 245 cm<sup>3</sup>

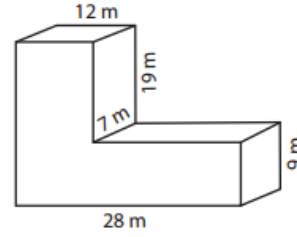
SA: 238 cm<sup>2</sup>

8)



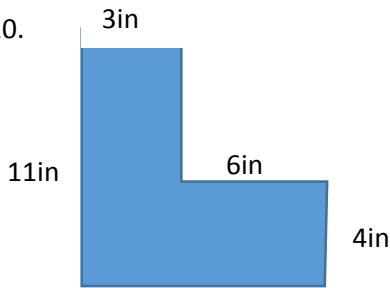
Volume = 7560 in<sup>3</sup>

9)



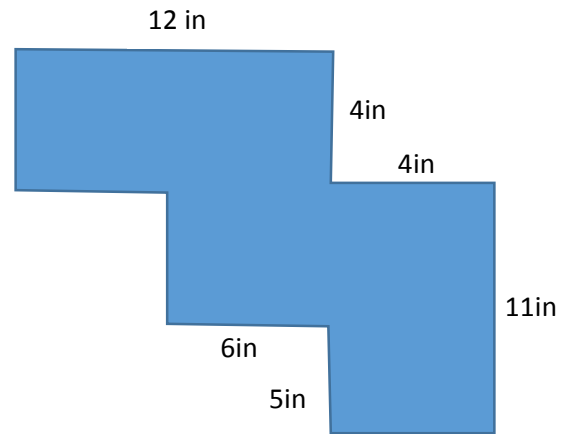
Volume = 3360 m<sup>3</sup>

10.



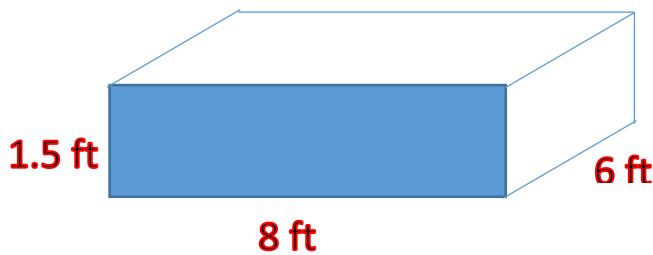
Area 57 in<sup>2</sup>

11.



Area 128 in<sup>2</sup>

12. Mr. Andreassi is going to fill up a sandbox for his son it measures 6 feet by 8 feet and he wants to make it one and a half feet deep. How many cubic feet of sand should he buy? Draw a picture and solve below.



Volume = 72 ft<sup>3</sup>