

# Surface Area & Volume

# Solve & Search

CCSS:  
6.G.A.2  
6.G.A.4  
7.G.B.6  
8.G.C.9



Thank you for downloading this product!

To get started using this product, simply print the Solve & Search cards, laminate if desired, and cut apart. Spread the cards around your classroom - I usually put one at each desk. Give each student, or team of students, a recording sheet. Students can start at any card. Once students solve the problem on their starting card, they need to search for the card that has the matching answer. Once found, they should record the letter of that card on their recording sheet. Students will repeat the process of solving, searching for the card with the matching answer, and then recording that letter on their answer sheet. An answer key is enclosed for a quick way to check students' work.

Enjoy!

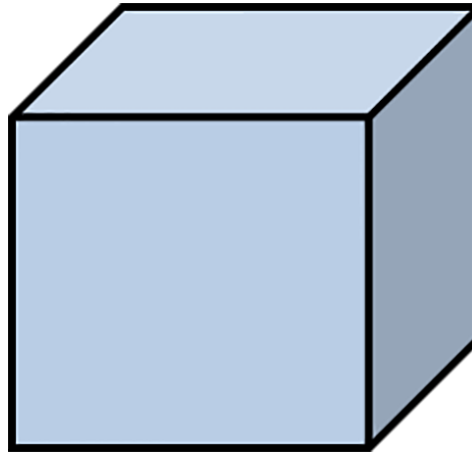
Search:

$3.8 \text{ in}^3$

R

Solve:

Calculate the volume:



13.5 cm

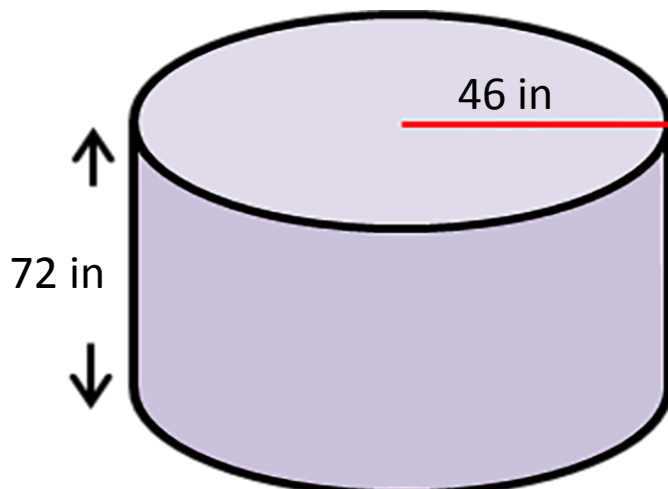
Search:

$2460.4 \text{ cm}^3$

V

Solve:

Calculate the volume:



46 in

72 in

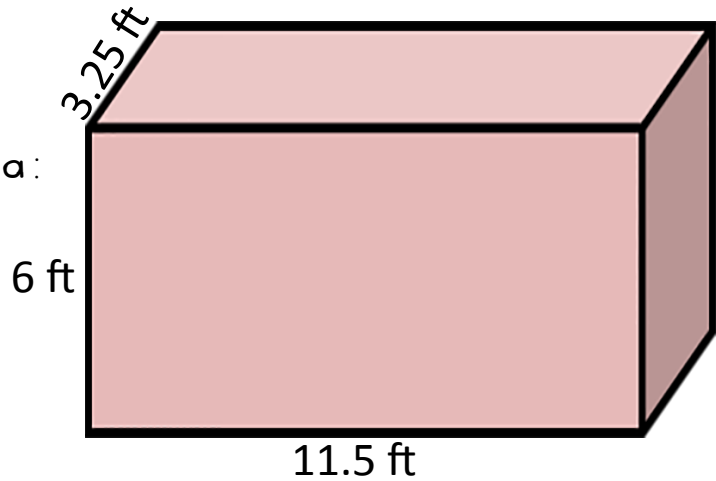
Search:

$478,385 \text{ in}^3$

D

Solve:

Calculate the surface area:



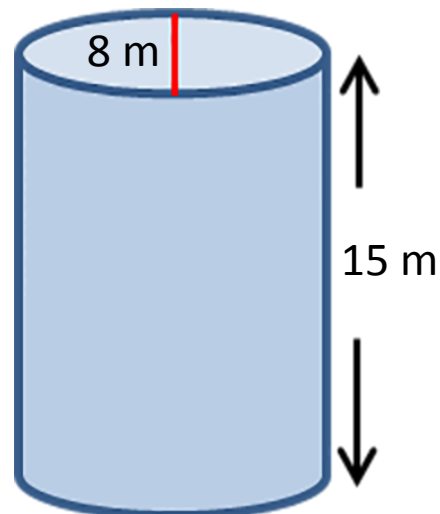
Search:

$251.75 \text{ ft}^2$

F

Solve:

Calculate the volume:



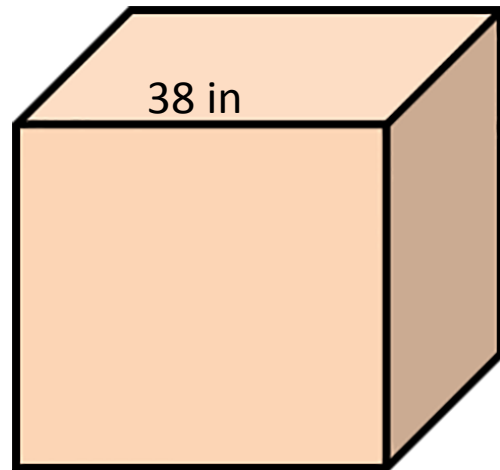
Search:

$753.6 \text{ m}^3$

p

Solve:

Calculate the surface area:



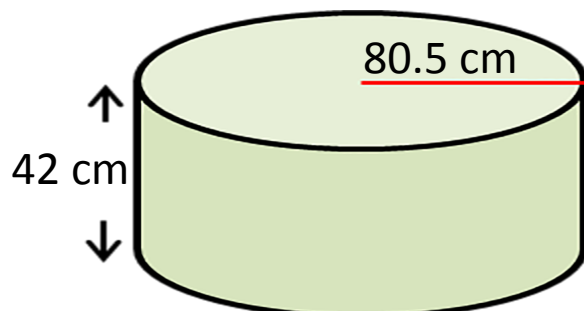
Search:

$8,664 \text{ in}^2$

k

Solve:

Calculate the surface area:



Search:

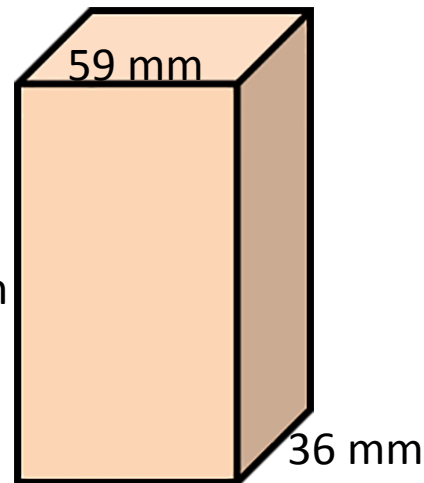
$61,928.7 \text{ cm}^2$

Z

Solve:

Calculate the volume:

111 mm



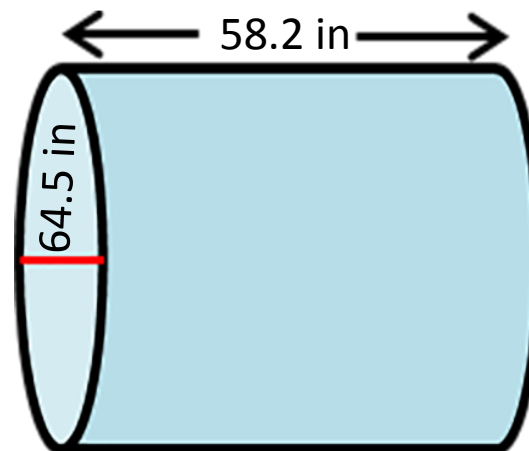
Search:

$235,764 \text{ mm}^3$

m

Solve:

Calculate the surface area:



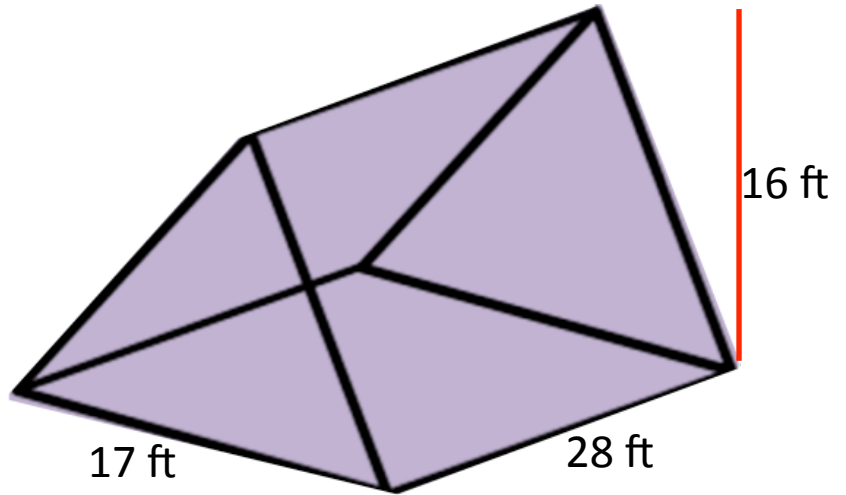
Search:

$18,318.8 \text{ in}^2$

H

Solve:

Calculate the volume:



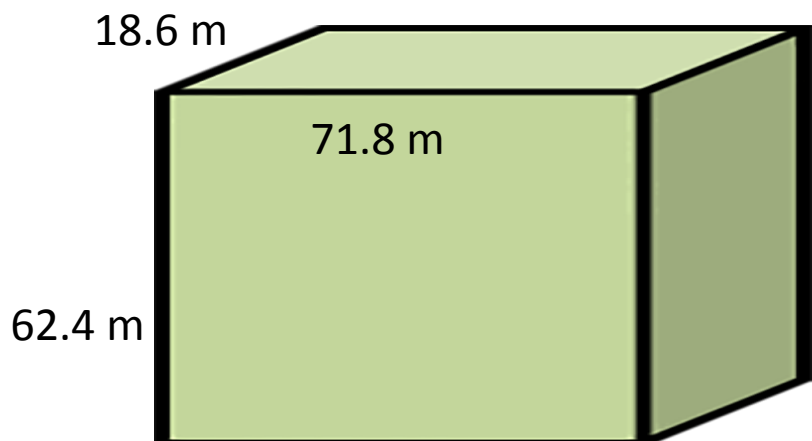
Search:

$3808 \text{ ft}^3$

S

Solve:

Calculate the volume:



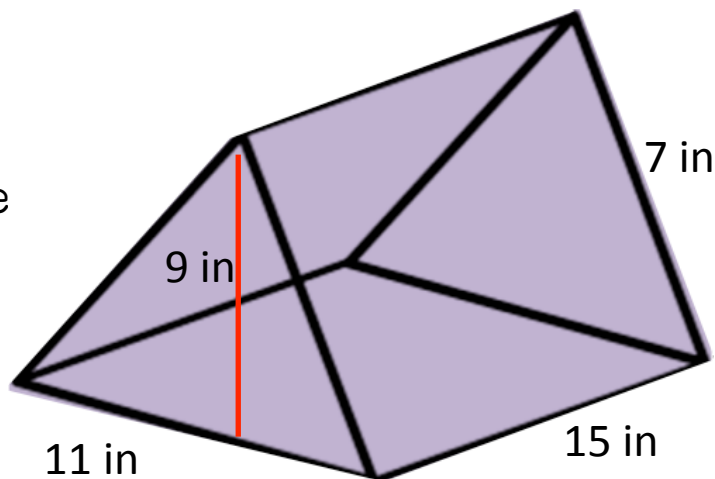
Search:

$83,334 \text{ m}^3$

X

Solve:

Calculate the surface area



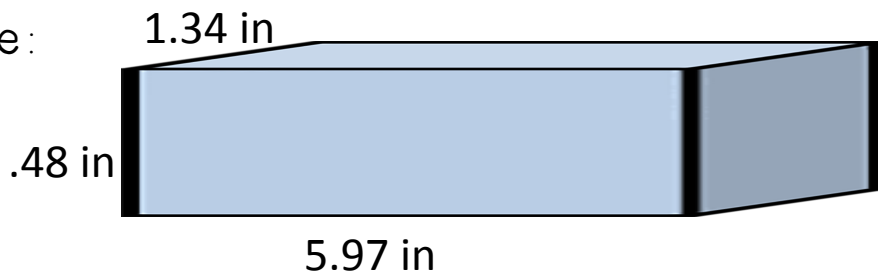
Search:

$474 \text{ in}^2$

B

Solve:

Calculate the volume:

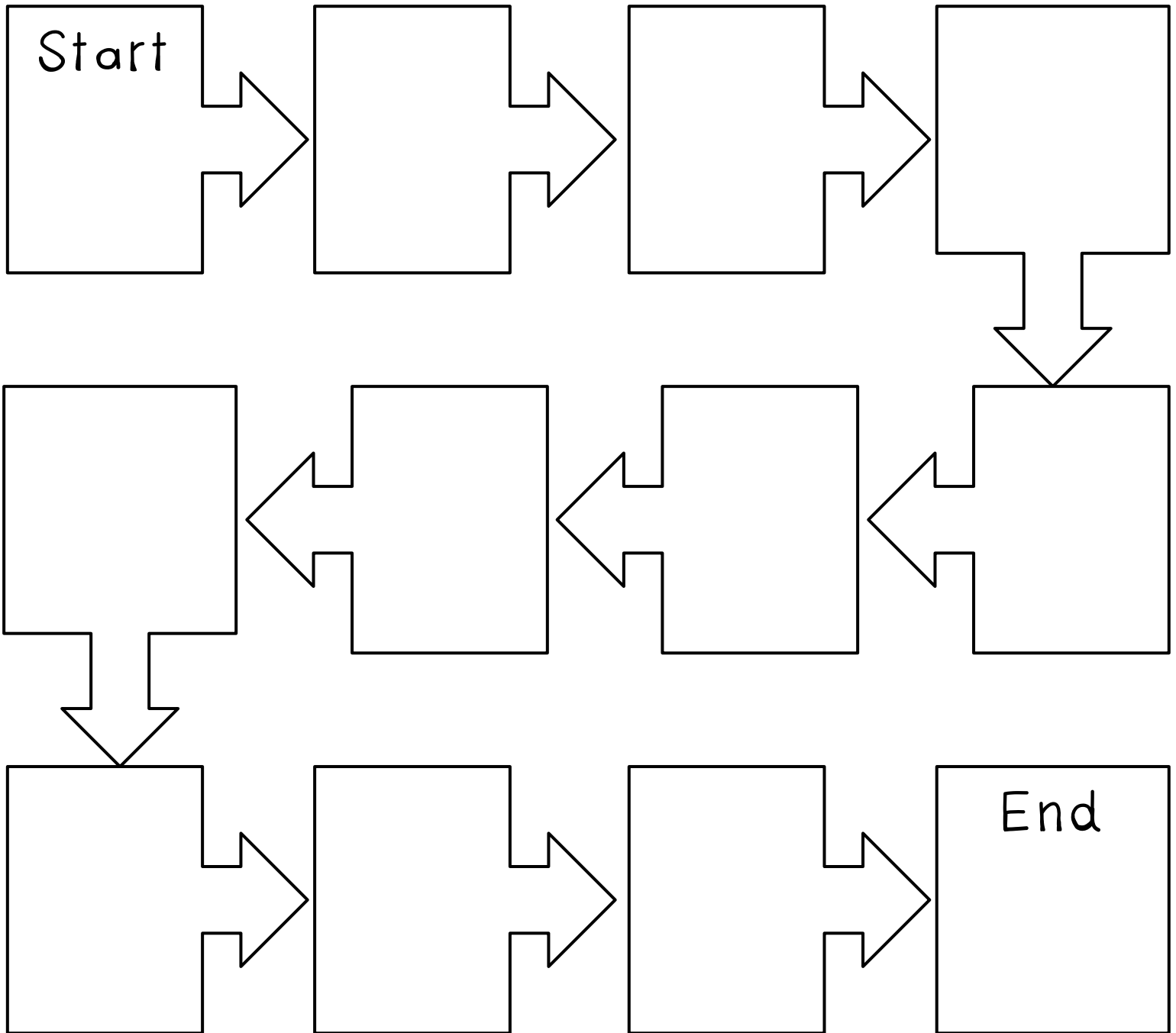




Name:

# Recording Sheet

Choose any card to start at, solve it, and then search for the card that has the answer that matches. Write down the letter from that card in your "start" box. Continue the process of solving and searching; the card you end at should take you back to the answer on the card you started with.



ANSWER  
KEY

# Recording Sheet

Choose any card to start at, solve it, and then search for the card that has the answer that matches. Write down the letter from that card in your "start" box. Continue the process of solving and searching; the card you end at should take you back to the answer on the card you started with.

