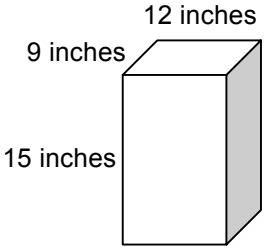
VOLUME (The answers in volume problems are always give in cubic units.)

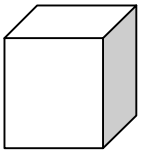
1. Find the volume of this carton.



① ② ③ ④ ⑤

(1) 180 cubic inches
(2) 1,620 cubic inches
(3) 1,625 cubic inches
(4) 1,700 cubic inches
(5) 1,725 cubic inches

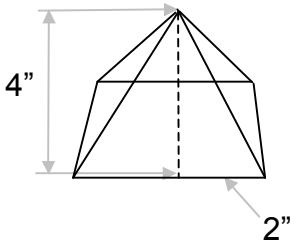
2. Find the volume of this cube.



① ② ③ ④ ⑤

(1) 24 cubic inches
(2) 64 cubic inches
(3) 512 cubic inches
(4) 5,120 cubic inches
(5) 6,000 cubic inches

3. Find the volume of the square pyramid. **Round your answer off to the nearest INCH**.

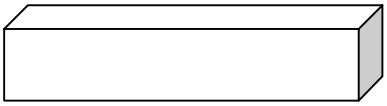


① ② ③ ④ ⑤

(1) 3 cubic inches
(2) 4 cubic inches
(3) 5 cubic inches
(4) 6 cubic inches
(5) 7 cubic inches

4. Find the volume of this rectangular box that has the following measurements.

- base of 5 ½ inches
- height of 2 ½ inches
- width of 3 ½ inches

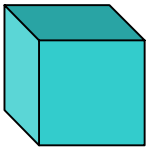


Round your answer to the nearest INCH.

① ② ③ ④ ⑤

(1) 14 cubic inches
(2) 48 cubic inches
(3) 49 cubic inches
(4) 52 cubic inches
(5) 65 cubic inches

5. The base of this cube measures 6 centimeters. Find the volume.

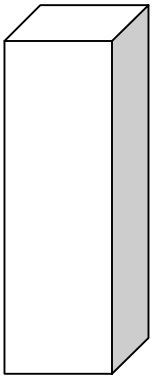


① ② ③ ④ ⑤

(1) 42 cubic centimeters
(2) 212 cubic centimeters
(3) 216 cubic centimeters
(4) 220 cubic centimeters
(5) 420 cubic centimeters

6. Find the volume of this shape that has the following measurements.

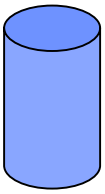
- base of 30 feet
- height of 2 feet
- width of 5 feet



① ② ③ ④ ⑤

(1) 60 cubic feet
(2) 65 cubic feet
(3) 300 cubic feet
(4) 3,000 cubic feet
(5) 4,000 cubic feet

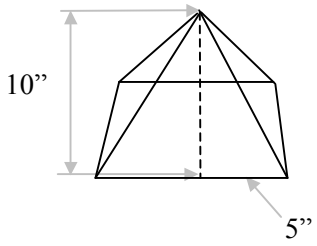
7. What is the volume of this cylinder, which has a radius of 10 feet and a height of 35 feet?



① ② ③ ④ ⑤

(1) 314 cubic feet
(2) 1,570 cubic feet
(3) 10,990 cubic feet
(4) 12,900 cubic feet
(5) 13,400 cubic feet

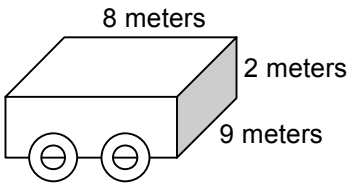
8. Find the volume of this square pyramid. **Round your answer to the nearest WHOLE number**.



① ② ③ ④ ⑤

(1) 81 cubic inches
(2) 82 cubic inches
(3) 83 cubic inches
(4) 84 cubic inches
(5) 85 cubic inches

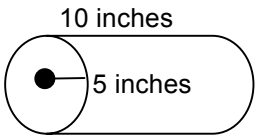
9. Find the volume of soil that this trailer can carry if it is filled to the top.



① ② ③ ④ ⑤

(1) 19 cubic meters
(2) 144 cubic meters
(3) 244 cubic meters
(4) 344 cubic meters
(5) 1244 cubic meters

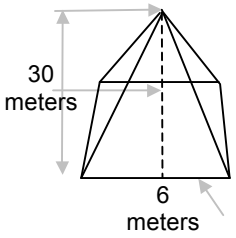
10. Find the volume of this cylinder.



① ② ③ ④ ⑤

(1) 78 cubic inches
(2) 78.5 cubic inches
(3) 785 cubic inches
(4) 786 cubic inches
(5) 876 cubic inches

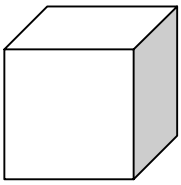
11. Find the volume of this square pyramid. **Round your answer to the nearest TENS place**.



① ② ③ ④ ⑤

(1) 340 square meters
(2) 350 square meter
(3) 360 square meters
(4) 370 square meters
(5) 380 square meters

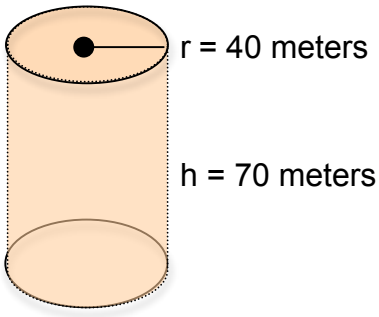
12. Find the volume of a cube if the base measures 5 inches.



① ② ③ ④ ⑤

(1) 24 cubic inches
(2) 30 cubic inches
(3) 125 cubic inches
(4) 225 cubic inches
(5) 325 cubic inches

13. How much grain can the Sugar City Silo hold?



① ② ③ ④ ⑤

(1) 1,680 cubic meters
(2) 351,680 cubic meters
(3) 500,024 cubic meters
(4) 600,000 cubic meters
(5) 625,000 cubic meters