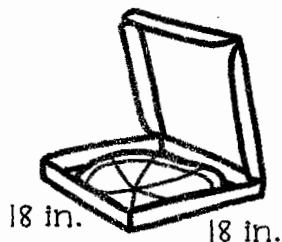


Name _____ Date _____

Volume of Rectangular Prisms Worksheet E

1. If the pizza box below has a volume of 648 cubic inches, then what is the height of the box?



2. A house has a length of 6 m, a height of 5 m, and a width of 5 m. There is a garage attached to the house. If the total volume of the house and garage is 230 m^3 , then what is the volume of just the garage?

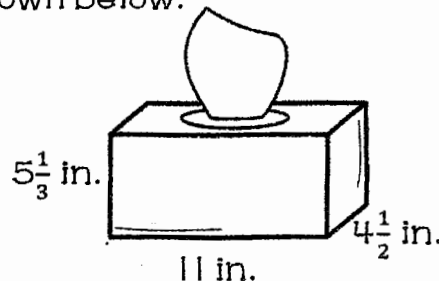


3. If the volume of the swimming pool is 900 cubic feet, which choices could be the dimensions of the pool? Choose all that apply.



- A. 10 ft. x 9 ft. x 5 ft.
- B. 15 ft. x 12 ft. x 5 ft.
- C. 20 ft. x 10 ft. x 5 ft.
- D. 15 ft. x 20 ft. x 3 ft.

4. Find the volume of two boxes of tissues, if they both have the same dimensions as the box shown below.



5. Which figure below has the greater volume?

6. Tobias wants to buy the larger of the two fish tanks that the pet store has for sale. Fish tank model A has a base with an area of 300 square inches, and a height of 15 inches. Fish tank model B has a length of 20 inches, a width of 15 inches, and a height of 25 inches. Which fish tank is larger? How much larger is it?

Figure A

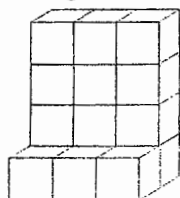


Figure B

