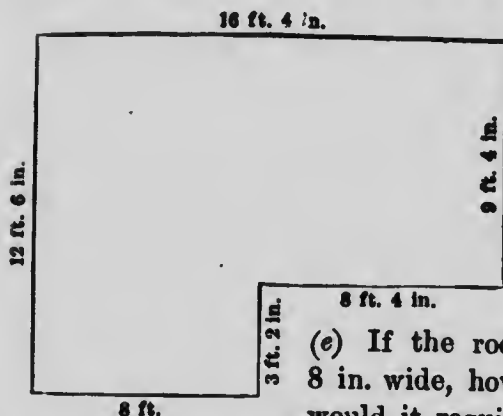


1. A room having the following shape and dimensions has walls 9 ft. high. (a) How many square feet in the walls? (b) How



many square feet in the ceiling? (c) How many square yards in the floor? (d) If the room has 2 doors, each 7 ft. by 4 ft. 6 in., and 6 windows, each 5 ft. 6 in. by 4 ft. 2 in., how much will it cost to plaster the walls and ceiling at 30¢ a square yard?

(e) If the room were to have mop-boards 8 in. wide, how many square feet of boards would it require? (f) What would be the most economical way of laying a carpet 32 in. wide? How many yards less of carpet will it take to lay the carpet in this way than in the other way?

2. Required the cubic contents of a rectangular prism 8 ft. 6 in. long, 4 ft. 3 in. wide, and 2 ft. 9 in. thick.

3. How many cubic feet of air in your school-room? How many cubic feet for each pupil when all are present?

4. How high must wood be piled on a sled 4 ft. long to contain 6 cu. ft., the wood being 4 ft. long?

5. How many cords of wood can be piled in a building 10 ft. 6 in. long, 8 ft. wide, and 9 ft. 6 in. high?

6. How many gallons of water in a cubical cistern 6 ft. long? How many square feet of zinc will it take to line the cistern?

7. A quarter of a section of land is worth what at \$3½ an acre? at 75¢ an acre?

8. How many cubic feet of ice are taken from a pond, the ice taken covering half an acre, and being 10 in. thick? If 1 cu. ft. of ice weighs 58½ lb., what is the ice worth at ¼¢ a pound?

9. A dealer purchased 600 tons of coal at \$5.25 a long ton, paid 75¢ a ton for freight, etc., and sold it for \$5.75 a short or common ton. What profit did he make?