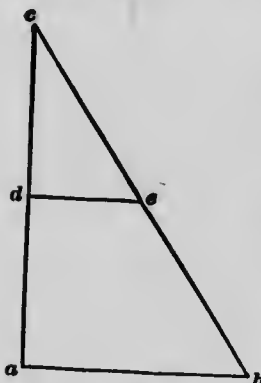


1. If $abcd$ on page 85 represents a lot of land 48 ft. long, and $efgh$ represents a lot 36 ft. long, to what scale are the figures drawn? How many square feet in the rectangle $abcd$? How many square feet in the parallelogram $efgh$? How many square feet in the triangle abd ? What is the altitude of the triangle efg ? How many square feet in the triangle efg ? Can you tell how you can find the area of any triangle?

2. What is the area of a triangular piece of land whose base is 60 ft. and altitude 40 ft.? (Draw plan to scale.)



3. How many square inches in a triangle $1\frac{1}{2}$ ft. long at the base, with an altitude of 8 in.?

4. A triangular field 16 rd. long on the base has an altitude of 200 ft. How many square feet in it?

5. This triangle is drawn on a scale of 8 ft. to an inch. How long is ab ? ad ? dc ? de ? How can you find area of abc ? of cde ? of $abed$? What is the area of $abed$?

6. A floor in the form of a rectangle is $16\frac{1}{2}$ ft. long, and contains $148\frac{1}{2}$ sq. ft. How wide is the room?

7. A roll of carpeting 2 ft. 3 in. wide and 80 ft. long measures how many sq. ft.? How many sq. yd.?

8. How many square yards in a roll of matting 36 in. wide and 60 ft. long?

9. How many yards long is a roll of Brussels carpet containing 60 sq. yd., if the carpet is $\frac{3}{4}$ yd. wide?