

## ARTICLE 67.

### Square Measure.

1. Reduce 75 acres 75 sq. rods to square rods.
2. Reduce 30 sq. rods 2 sq. ft. 36 sq. in. to square inches.
3. Reduce 5 sq. miles 237 acres 135 sq. rods to square rods.
4. Reduce 888 sq. yds. 8 sq. ft. 88 sq. in. to square inches.
5. Reduce 15 acres to square feet (1 acre = 43560 sq. ft.).
6. Reduce 100000 sq. rods to acres.
7. Reduce 37625 sq. in. to square yards.
8. Reduce 1040100 sq. rods to square miles.
9. Reduce 1089000 sq. ft. to acres.
10. Reduce 34848000 sq. ft. to square miles.
11. A parlor is 30 ft. long and 18 ft. wide. What is the area of its floor?
12. A garden is 20 rods long and 16 rods wide. How many acres does it contain?
13. A ceiling is 48 ft. long and 33 ft. wide. Find cost of painting it, at \$0.20 a square yard.
14. A pasture is 45 rods long and 32 rods wide. What is its value, at \$75 an acre?
15. Find the cost of polishing a granite slab 2 ft. long and 3 ft. wide, at one cent a square inch.
16. A platform is 25 yds. long and 12 yds. wide. What is it worth, at \$0.05 a square foot.
17. A floor 32 ft. long and 18 ft. wide was laid with marble tiles six inches square, at 20 cts. each. What was the cost of the floor?
18. A board fence eight feet high surrounds a baseball lot 600 ft. square. What is the value of the fence, at \$2.50 per 100 sq. ft.

19. A field 45 rods wide cost \$1080, at \$60 an acre. What was its length?

20. The carpeting of an assembly-room cost \$210, at \$0.875 a square yard. If the room was 60 ft. long, how wide was it?

## ANSWERS.

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### ARTICLE 67.

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|---------------------|-----------------|---------------|
| 1. 12075 sq. rods.  | 8. 10 sq. miles | 13. \$35.20.  |
| 2. 39204 sq. in.    | 100 acres       | 14. \$675.    |
| 3. 550055 sq. rods. | sq. rods.       | 15. \$8.64.   |
|                     | 9. 25 acres.    | 16. \$135.    |
| 4. 1152088 sq. in.  | 10. 1 sq. mile  | 17. \$460.80. |
| 5. 653400 sq. ft.   | acres.          | 18. \$480.    |
| 6. 625 acres.       | 11. 60 sq. yds. | 19. 64 rods.  |
| 7. 29 sq. yds.      | 12. 2 acres.    | 20. 36 ft.    |
| 41 sq. in.          |                 |               |