

MENTAL VII.—64.

1. If 100 pins are placed in every cu. in. of a box 6 in. each edge, how many will it hold?

Ans.

2. What is the circumference of a wire whose diameter is .63 in.?

Ans.

3. When the difference in solar time between two cities is 4 hrs. 5 min., what is the difference in longitude?

Ans.

4. $\frac{14 - 9}{7 + 6} =$

5. Change 893 sq. Dm. to Ha.; to a.; to ca.

Ans.;;

6. A school flag pole has a circumference of 11 in. at the base. Find its diameter and area at the cross section.

Ans.;

7. Find the cost of engraving a triangle, base 2 in., p. h. 3 in., at 10c. a sq. in.

Ans.

8. Write 28 cu. m., 14 cu. dm., having cu. m. as the unit.

Ans.

9. Divide a field 150 rods x 320 rods into triangles whose dimensions are 5 rods x 4 rods. How many are there?

Ans.

10. A soda syphon holds $1\frac{1}{2}$ l.; how many Hl. will a person drink in a year if he drinks a syphon a week?

Ans.