

EXERCISES IN ARITHMETIC.

I

1. State the number of

- (1) Yards in a mile.
- (2) Grains in a pound, avoirdupois.
- (3) Grains in a pound, troy.
- (4) Grains in an oz., troy.
- (5) Grains in an oz., avoirdupois.
- (6) Square yards in an acre.
- (7) Acres in a square mile.
- (8) Cubic feet in a cord.
- (9) Pounds in a gallon of water.
- (10) Mills in a dollar.

2. How can you tell without actually dividing when a number is exactly divisible by 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 15 or 25?

3. Form mentally the square of 15, 25, 45, 75, 125. Also of 95, 995, 9995, 99995.

4. Divide 680748617 by 231, using 3 factors of the divisor, and find the complete remainder.

5. One hundred cent pieces weigh a pound, avoirdupois, what is the value of one ton of cent pieces?

6. How many miles would a ton of cent pieces reach when placed side by side, if a cent piece measures one inch across?

7. Thirty-five times a man's weight is greater than thirty times his weight by 885 pounds, find his weight.

8. How many newspapers at 5 cents each must a news boy sell in order to gain \$30, his profit being one-tenth of the selling price?

9. A field 40 rods wide contains 12 acres, find its length.