W York, ex-\$10456.16\frac{1}{2}. what is the is the value ent. prem.

Liverpool, was the bill 270 19 1. Indon firm to da bill be sales, ex-08 13 5½.

Irrency, ex-66 13 2½.

be received 23052.00.

ium?
231 1 0\$.
at., what is
9 16 11\$.
a Liverpool,
is the bill
55 18 0\$.

marks 14 66 francs 4 orth £1 in cs 82 cent. ound, stg., the rate of

£1 stg.

ir respec-

6561 20736 5046721 8. 407.0641, 05.81551,

## EVOLUTION. - ART. 255. PAGE 289.

Find the square root of the following:

| 1. 87.               | Ans. | 9.327 + . | 7. 25.                | Ans. 4.                  |
|----------------------|------|-----------|-----------------------|--------------------------|
| 2. 4761.             | "    | 69.       | $8. \frac{12}{32}$ 1. | " 11.                    |
| <b>3.</b> 7056.      | 66   | 84.       | 9. 173.               | Ans. $4.1683^{16}_{+}$ . |
| 4. 9801.             | **   | 99.       | 10. 5.                | " 79056+.                |
| <b>5.</b> 152399025. | 66   | 12345.    | 11. 34967-2.          | " 186.9951+.             |
| <b>6.</b> 10342656.  | "    | 3216.     | 12. 20725.            | · 14.4116+.              |

## ART. 260. PAGE 293.

Required the cube root of the following numbers:

| <b>1</b> . 91125.   | Ans. 45.       | 7. 20.570824.        | Ans. 2.74.         |
|---------------------|----------------|----------------------|--------------------|
| <b>2.</b> 140608.   | <b>66</b> 52.  | 8241804367.          | " 0.623.           |
| 3. 571787.          | <b>~~</b> 83.  | $9. \frac{125}{849}$ | 66 <u>5</u>        |
| 4. 2515456.         | · 136.         | 10. 444.             | Ans. $3.5463 +$    |
| <b>5.</b> 10218313. | <b>44</b> 217. | 1ï. 49 8.            | " 3 <del>2</del> . |
| 6. 11543.176.       | · 22.6.        | 12. 4.               | ·· .643659+.       |

## COMPOUND INTEREST. - ARTS. 262-264. PAGE 296.

Find the amounts of the following sums, at the given rates per cent. per annum:

| 7   |           |     |    |        |    |   |     |       |                        |  |
|-----|-----------|-----|----|--------|----|---|-----|-------|------------------------|--|
| 1.  | \$960     | for | 10 | years, | at | 7 | per | cent. | Ans. \$1888.464.       |  |
|     | \$1000    |     |    | "      |    |   | -66 |       | <b>44</b> \$1551.328.  |  |
| 8.  | \$1460    | "   | 12 | 66     | at | 4 | "   | 66    | <b>44</b> \$2337.506.  |  |
|     | \$5000    | 66  | 20 | 66     | at | 6 | 66  | 66    | <b>** \$16085.675.</b> |  |
|     | £198 10   | 66  | 30 | 66     | at | 5 | 66  | 66    | " £857 18 14.          |  |
| 6.  | £136 15   | 66  | 25 | 66     | at | 3 | "   | "     | " £286 6 5\frac{1}{2}. |  |
| 7.  | \$10000   | 66  | 40 | 46     | at | 7 | 66  | 66    | <b>**</b> \$149744.    |  |
| 8.  | £1674     | 66  | 10 | 66     | at | 4 | 66  | 46    | " £2477 18 61.         |  |
| 9.  | £1000     | 66  | 4  | 66     | at | 5 | 66  | 66    | " £1215 10 14.         |  |
| 10. | £198 16 8 | 44  | 11 | "      | at | 6 | 66  | 66    | " £375 12 11.          |  |

## ART. 264. PAGE 298.

1. What sum of money, lent out at compound interest, at 6 per cent., will amount to \$35948.37 in 15 years?

Ans. \$15000.00.

2. A person wishes his son, who is three years old, to have \$11782.80 when he comes to the age of 21 years; how much must he deposit in the bank to amount to that sum, at 5 per cent. compound interest?

Ans. \$4896.00.