

IV.—December, 1874. Page 56.

- (1.) $476\frac{579}{10514}$. (2.) 44000 ft. (3.) 4750 qrs.; 26 ac. 2 rd. 30 p. 8 yds. 8 ft. 115 in. (4.) 58 yds. 2 ft. 3 in. (5.) £1 13s. $7\frac{3}{4}$ d. (6.) $4\frac{23}{64}$. (7.) $8\frac{16}{21}$ yds. (8.) 81 gals. (9.) 9. (10.) 540.32 yds.; \$4786.0352.

V.—June, 1875. Page 67.

- (1.) 1. (2.) 800 bbls.; \$5.75 (3.) \$16200. (4.) 15s. $0\frac{29}{48}$ d. (5.) $6\frac{216}{1237}$. (6.) $77\frac{151}{192}$. (7.) \$60000. (8.) Read 32 instead of 23. Divisor is 102. (9.) £51 3s. $1\frac{53}{871}$ d. (10.) $144451\frac{1321}{1804}$ acres.

VI.—December, 1875. Page 68.

- (1.) \$100.78. (2.) 600 ac. 2 r. 1 p. (3.) $5\frac{167}{252}$. (4.) Art. 73. (5.) 400 barrels. (6.) 1st, \$2000; 2nd, \$1500; 3rd, \$1200; 4th, \$1300. (7.) $\frac{8}{15}$; $\frac{6}{5}$. (8.) \$555.01 $\frac{151}{1249}$. (9.) $420\frac{420}{13749}$ lbs. (10.) \$131.55; \$56.25.

VII.—June, 1876. Page 69.

- (1.) \$53.88 $\frac{1}{3}$. (2.) 8.83002. (3.) 4 hrs. 42 min. $15\frac{5}{13}$ sec. (4.) $25\frac{1349}{15731}$. (5.) \$4.80. (6.) \$12.80. (7.) $34\frac{2}{3}$ cub. in. (8.) 14 days. (9.) \$80. (10.) \$45.

VIII.—December, 1876. Page 71.

- (1.) 23048771 square inches; 18 tons 17 cwt. 3 qrs. 18 lbs. 11 oz. (2.) 5040. (3.) 14789. (4.) $\frac{99}{2}$ of 8.2, greatest; $\frac{1}{9}$ of $9\frac{1}{9}$, least. (5.) $40\frac{10}{11}$ miles. (6.) 2 ft. $9\frac{3}{8}$ in. (7.) 114 yds. (8.) $82\frac{1}{8}$. (9.) 37.2748839; .0625. (10.) $11\frac{1}{4}$ ft.

IX.—Page 72.

- (1.) 1; $\frac{1}{2}$. (2.) $16\frac{4}{11}$ minutes past 3. (3.) The distance is 3.7984 miles; the beat of the pendulum measures .795872 of a second. (4.) .14; 4.8. (5.) Supply