

- (3) \$1.55. 7. (1) 10 per cent.; (2) £9. 1s. 9 $\frac{1}{2}$ d. 1 $\frac{1}{2}$ q. 8. \$1.20.
 9. 66 $\frac{1}{2}$. 10. 5s. 3d. 11. 4s. 1 $\frac{1}{2}$ d. 1q. 12. 40 $\frac{1}{2}$ q.
 13. 7s. 11 $\frac{1}{2}$ d. 1 $\frac{1}{2}$ q. 14. 18s. 4d. 15. £63. 12s. 8 $\frac{1}{2}$ d. 1 $\frac{1}{2}$ q. 16. \$1.20.

Ex. LXXV. (p. 142.)

1. 90·83. 2. \$5.58. 3. 83·67. 4. 8·667...yrs. 5. 60 $\frac{1}{2}$ yrs.
 6. 29046·813. 7. £191. 8s.

Ex. LXXVI. (p. 145.)

1. (1) 224, 336, 448; (2) \$40.62 $\frac{1}{2}$, \$89.37 $\frac{1}{2}$, \$130; (3) 66 ac.,
 1 ro., 15 po., 79 ac., 2 ro., 18 po.; (4) £42. 17s. 1 $\frac{1}{2}$ d. 4q., £28.
 11s. 5 $\frac{1}{2}$ d., £21. 8s. 6 $\frac{1}{2}$ d. 4q., £17. 2s. 10 $\frac{1}{2}$ d. 4q. 2. (1) A is to
 have \$136, B \$238, and C \$306. (2) £136. 10s.
 3. 1094·3744 lbs. of oxygen, 969·136 lbs. of carbon,
 176·4896 lbs. of hydrogen, (cwt. = 112 lbs.). 4. 33 $\frac{1}{2}$ per
 cent. silver. 5. 5 mo. 6. 8 mo. 7. A ought to have \$6400,
 B \$840, C \$720. 8. A ought to have received £700, and
 B £900. 9. A should pay \$36, B \$18, and C \$6. 10. 24 men.

Ex. LXXVII. (p. 149.)

1. 14; 17; 25. 2. 29; 30; 42. 3. 49; 87; 98.
 4. 111; 200; 623. 5. 703; 763; 509. 6. 1111; 5343.
 7. 7906; 5746; 7008. 8. 13509; 6·9. 9. ·094; 21·103.
 10. ·025178; ·00003. 11. 7·1414; 7141. 12. 2·2583; 2258.
 13. 28·3992; 310·3304. 14. 577. 15. 166. 16. 2·175
 17. $\frac{1}{3}$. 18. 2·625. 19. 540s.

Ex. LXXVIII. (p. 152.)

1. 12; 20; 18. 2. 42; 75; 92. 3. 97; 103. 4. 512; 4·01.
 5. 763; ·0587. 6. 5·079; 7420. 7. $\frac{1}{2}$. 8. 643. 9. 1560.
 10. 1. 11. 464. 12. 215. 13. 2·154. 14. 333.

Ex. LXXIX. p. 152.)

PAPER I.

1. 2 rem. 117257. 2. (1) 15 tons, 8 cwt., 3 qrs., 17 lbs., 1 oz.
 (cwt. = 112 lbs.) (2) 1 oz. Avoird. = $\frac{1}{16}$ of 1 oz. Troy.
 3. £34. 9 fl. 6 c. 8·21428571 m. 4. 1; 2520. 5. (1) 63.
 (2) $\frac{1}{2}$. (3) 4 cwt., 3 qrs., 3 lbs. (cwt. = 112 lbs.) 6. (1) 21060.
 (2) ·00002106.

PAPER II.

1. (1) \$90. (2) £281. 7s. 5d. 2. Gain per cent. = \$25;
 Loss per cent. = \$20. 3. (1) 80502. (2) 266.
 (3) 67 yds., 4 in. 4. 118625. 5. 2×2×3×3×7×7×13.
 6. 34' 27 $\frac{1}{2}$ " past 6 o'clock P. M.