

Exercise XLVI.

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| 1. A, \$2800; B, \$4200. | 8. \$36. |
| 2. \$360. | 9. \$1600. |
| 3. \$960. | 10. 48 lbs. |
| 4. 12474 sq. inches. | 11. \$345.60. |
| 5. 12%. | 12. \$5243. |
| 6. 22 minutes. | 13. 406. |
| 7. \$925. | |

Exercise XLVII.

1. $51\frac{1}{8}\%$; $12\frac{1}{2}\%$.
2. 6125.
3. 4 days.
4. \$10840.
5. \$150.
6. $\left. \begin{array}{l} (a) \$7.00 \text{ bill.} \\ (b) .70 \text{ discount off.} \\ (c) \$6.30 \text{ cash.} \end{array} \right\} \text{For form, etc., see P.S.A. pages 56 and 57.}$
7. \$193.90.
8. \$3000.
9. 419.
10. Gained \$2.73.
11. $51480 = 2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 11 \times 13$.
 $3346200 = 2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 5 \times 11 \times 13 \times 13$.
 (i) L.C.M. $= 2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 11 \times \overline{13} \times \overline{5} \times 13$.
 G.C.M. $= 2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 11 \times 13$.
 (ii) Quotient $= 5 \times 13$.
 (iii) Quotient $= 2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 11 \times 13$.
12. 3.
13. 12.

Exercise XLVIII.

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| 1. \$1500. | 7. \$37500. |
| 2. (a) $87\frac{1}{2}$ cents; (b) \$712.80. | 8. $1\frac{1}{4}\%$. |
| 3. A, 200 acres; B, 300 acres;
C, 450 acres; D, 500 acres. | 9. \$15015. |
| 4. 8160 lbs. | 10. 45 yards. |
| 5. \$6.25. | 11. \$315. |
| 6. \$300. | 12. 3 minutes $11\frac{1}{4}$ seconds. |
| | 13. 13% . |