

16. 24 cts. or 8%. 17. \$181.68. 18. \$206.67. 19.  $68\frac{1}{2}$  cts. 20.  $\frac{81}{166}$ . 21.  $1\frac{1}{2}\%$  for the 3 years. 22. 6118. 23. \$6.77. 24.  $7\frac{1}{2}$  da. 25. At 20 mills he paid \$232.73. At  $14\frac{1}{2}$  mills he paid \$168.73. 26. \$5739.60. 27. \$1000. 28. Perimeter of room is 18 times the height of the room. Area of walls = 162 sq. yd. Question resolves itself into finding the dimensions of a rectangle whose length is 18 times its width and area 162 sq. yd.  $\frac{1}{18}$  of 162 sq. yd. = 9 sq. yd. = area of square whose side = the width of the rectangle. Width of rectangle, i. e., height of the wall is equal to 3 yds. Length of room 15 yds. and width 12 yds. Area of ceiling is 180 sq. yds. @ 21 cts. = \$37.80. 29. 121. 30. 142. 31. \$31254.04. \$15166.48 and \$5704.18. 32. 11586575. 33. \$21.45. 34.  $44\frac{1}{2}\%$ . 35. Consider this at the end of 6 mo. 35 cts. or  $6\frac{4}{11}\%$ ,  $6\frac{82}{162}\%$  better. Considered now 34 cts. better or  $6\frac{1}{2}\%$  better. 36.  $12.10\frac{5}{4}$  P. M. 37. (a) \$4.50. (b) \$24.50. (c) \$3.19. (d) \$17.50. (e) \$255. (f) \$45.54. Total, \$350.23. 38. (a) Interest, \$5.27. Amount, \$625.27. (b) Time, 1 yr. Interest, \$30. (c) Principal, \$200. Amount, \$220.50. 39. A, \$1578.95. B, \$1421.05. 40. 54000 yd.  $4\frac{1}{12}$  bu. A loss of \$16.45. 41. (a) \$12069.10. (b) \$522961.56. (c) Total, 637302. (d) 732. 42. 106. 43. \$131.67. 44.  $3\frac{1}{2}$  hr. 45. (a) \$3.85. (b) 272 bbl. (c)  $27\frac{1}{11}\%$ . 46.  $8\frac{8}{9}$  min. 47. 15 ml. 48. 144 yd. 49. 80. 50. \$400, 5%. 51. 79958704430. 52.  $\frac{8}{15}$ . 53. 50.75. 54. \$120. Cost of horse, \$160. 55. The students may not know the weight of a qr., as it is not a weight in general use. \$26.40. 56. 8000 bu. 57.  $2\frac{1}{18}$  yr. 58. Include days of grace—\$588. 59. \$3000. 60. Change  $\frac{5}{8}$  to  $\frac{1}{2}$ . Room is 15 yd. wide and 24 yd. long. 61. Columns—4993, 47730, 24056 and 30623. Lines—13761, 3379, 18866, 1726, 17959, 7787, 10587, 11730, 11403, and 10204. Totals, 107402. 62.  $16\frac{31}{16}$  ml. per hr. 63. \$8.40. 64. Time  $1\frac{4}{11}$  yr. Interest, \$25. Principal, \$600. Interest, \$48. Time, 20 yr. Amount, \$2.25. Amount, \$972.40. Interest, \$132.40. Principal, \$32.92. Interest, \$3.38. 65. \$84.21875. 66.  $1\frac{1}{2}$  reams.  $88\frac{8}{9}\%$ . 67. \$29.39. 68. (a) \$20.97. (b)  $1\frac{1}{2}$  ft. 69. He