- 32. The value of the house= $\frac{4}{3}$ the val. of the lot. ... the val. of both= $\frac{7}{3}$ of val. of lot=\$2100. ... val. of lot= $\frac{8}{7}$ of \$2100=\$900.
- 33. An increase of $\frac{2}{15}$ in $\frac{3}{4}$ of the price = an inc. of $\frac{2}{15}$ of $\frac{3}{4}$, or $\frac{1}{10}$ in the whole price.
- 34. Divide the sum into 91 equal parts and give them respectively 17, 20, 24 and 30 of these parts.
- 35. In 1 day A would rec. $\frac{4}{245}$ and B $\frac{3}{245}$ of the sum. ... both would rec. $\frac{1}{3}$ of the sum, or the whole sum in 35 days.
- 36. Total selling price=\$6133.75; first sale brings \$2027.30. .. remaining 3135 bus. must sell for \$4106.45.
- 37. In one day they can do $\frac{1}{10} + \frac{1}{15} + \frac{1}{20}$, or $\frac{13}{60}$ of the work, \therefore they can do the whole work in $\frac{60}{13}$, or $4\frac{6}{13}$ days.
- 38. Suppose A gets \$4 and B \$5 for each unit of time they work, then when A earns \$12, B earns \$20. ... A will receive $\frac{1}{3}\frac{2}{3}$ of \$60 = \$22.50.
 - 39. 6 yr. = $\frac{1}{3}$ of father's age = $\frac{1}{15}$, &c.

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- 40. $\$9000 \times \frac{25}{20} \times \frac{5}{4} = \12937.50 .
- 41. The selling price of 306 gal. = \$1089.70.
- 42. If the cost of the first is the unit, the second cost $1\frac{1}{2}$, the third $2\frac{1}{4}$, the fourth $3\frac{1}{4}=a$ total cost of 8, making the unit \$3000.
 - 43. $$4064.55 \times \frac{26}{7} \times \frac{9}{35} \times \frac{21}{20} = 4076.163 .
- 44. When C receives \$400, B gets \$420 and C \$441. ... A receives $\frac{441}{1261}$ of \$3783 = \$1323.
 - 45. $\frac{2}{11}$ of 2607 lb. = 474 lb.
- 46. The time till midnight = $\frac{5}{3}$ of the time past noon. .: $\frac{8}{3}$ of the time past noon is 12 hours. .: the time past noon is $\frac{4}{2}$ hours.
 - 47. After the first drawing 3 of the wine remains;