

4. How much tea, worth 6s. per lb., must be mixed with 12 lbs., at 3s. 8d., so that the mixture may be worth 4s. 4d. per lb.? Ans. 4½ lbs.

RULE 8. PAGE 274.

1. It is required to make 27 lbs. of a mixture worth 4s. 4d. per lb. It is to contain ingredients at 3s. 6d. and 5s. per lb. How much of each must be taken? Ans. 15 lbs. at 5s. and 12 lbs. at 3s. 6d.

2. How much sugar, worth 10 cts., 12 cts., and 15 cts. per lb., must be mixed together to form 128 lbs., worth 12½ cts. per lb.? Ans. 40 lbs., at 10 cts.; 40 lbs., at 12 cts.; and 48 lbs., at 15 cts.

3. How must rice, which cost 3, 4, and 5 cents per lb., be mixed to be worth 4½ cts., and how much of each sort will be required to form 1236 lbs. of the mixture? Ans. 309 lbs., at 3 cts.; 309 lbs., at 4 cts.; and 618 lbs., at 5 cts.

4. A merchant bought 280 pairs of braces and gloves for \$79.33½, — the braces at 20 cts., and the gloves at 25 cts. per pair. How many pairs of each were there? Ans. 200 prs. gloves and 80 prs. braces.

CONJOINED PROPORTION. — ART. 289. PAGE 276.

1. If £1 stg. is worth \$5 in Nova Scotia, and \$4.86½ in New Brunswick, what is \$1.00 N. S. worth in the latter place? Ans. \$0.97½

2. If \$162½ United States is worth £22. 10. 0. stg., and 5 shillings stg. worth \$1.25 N. S., what is \$1.00 N. S. worth in U. S.? Ans. \$1.44½.

3. If £1 stg. is worth £1. 4. 0. Newfoundland, and 5 shillings stg. worth \$1.25 N. S., what is \$1.00 N. S. worth in N. F. Ans. £0. 4. 9½d.

4. If 40 lbs. of sugar are worth 30 lbs. of butter, and 16 lbs. of butter worth 25½ lbs. of rice, and 20 lbs. of rice worth 12½ doz. eggs, how many dozens of eggs must be given for 130 lbs. sugar? Ans. 97½ doz.

5. If 100 lbs. U. States make 95 lbs. Italian, and 19 lbs. Italian, 25 lbs. in Persia, how many lbs. in U. S. are equal to 50 lbs. in Persia? Ans. 40.

EXCHANGE. — ARTS. 240-246. PAGES 278-281.

1. What is the value of £105, at 25 francs 15 centimes per £?

Ans. 2640 fr. 75 cent.

2. What sum should be placed to my credit at St. John, N. B., when I remit \$486.25 N. Scotia currency at par? Ans. \$478.38½.

3. How much should I receive in P. E. Island for \$1986.16 N. Scotia, at par? Ans. £595. 16. 11½.

4. What is the value of \$1234.90 N. Scotia in Newfoundland at par?

Ans. £871. 7. 6½.

ART. 248. PAGE 282.

1. A merchant in Truro negotiated a bill on London for £129. 16. stg., at 13½ per cent. premium; what did it cost? Ans. \$653.32½.

2. What will a bill on Dublin for £1000 10. stg. cost in St. John, N. B., at 14 per cent. premium? Ans. \$5069.20.

3. A merchant in Boston wishes to purchase a bill on London for £127 stg.; how much will he have to pay, exchange being quoted at 172½?

Ans. \$972.25½.