Loss And Gain

At 1½d prophit in a shilling how much per cent

1 :: 1"2 :: 100

12 44 20

12 6 2000

12

24000

6

12 | 144000

4 | 12000

12 | 3000

20 | 250

12"10

At 25cts profit in a dollar how much

100 :: 25 :: 100

100

100 | 2500 | 25

200

500

500

Examples

If I buy cloth at 4 dols 16cts per yd on eight months credit & sell it again at 3 dols 90cts per yard ready money what do I lose per cent allowing 6 per cent discount on the purchase price 4"16

104 :: 100 :: 4"16

100

104 | 41600 | 400

416

00

400 :: 26 :: 3"90

26

2340

780

400 | 10140 | 25

800

2140

2000

To know how a commodity must be sold to gain or lose so much per cent

Rule

As 100 is to the purchase price so is 100£ or 100 dols with the profit added or loss subtracted to the selling price

Examples

1 If 11cwt 1qr 23lb of sugar cost 126 dols 50cts how much it be sold per lb to gain 30 per cent

11"1"23 :: 126"50 :: 1

4

45

28

385

90

1285

1285 | 12650 | 9.84

11565

10850

10280

5700

5040

100 :: 9"84 :: 130

130

29520

984

12"79"20

Bought 90 gallons of wine at 1 dol 20 cts per gallon but by accident 10 gallons leaked out at what rate must I sell the remainder per gal to gain upon the whole prime cost at the rate of 12½ per cent

1 :: 1"20 :: 90

90

80 | 10800

1350

100 :: 1"350 :: 112½

112½

675

2700

1350

1350

1"51"8"75

Loss And Gain

Rule

As 100£ or 100 dols with the gain per cent added or loss subtracted is to the price so is 100 to the prime cost

Examples

If 40lb of chocklet be sold at 25cts per lb & I gain 9 per cent what did the whole cost me

109 :: 1000 :: 100

100

109 | 100000 | 9"17"4

981

190

109

810

763

470

436

34

Bought 5 cwt of sugar & sold it again 12cts per lb by which I gained at the rate of 25½ per cent what did the sugar cost me

1 :: 12 :: 5

4

20

28

160

40

560

5 :: 67"20 :: 1

5 | 6720

13"44

100

25½

125.50 :: 13"44 :: 100

100

125.50 | 134400 | 10"70"9

12550

89000

87850

115000

112950

2050

Single Fellowship

Is when the several shares of stock are continued in trade an equal term

Rule

As the whole stock is to the whole gain or loss so is each mans particular stock to his particular share of the gain or loss

Examples

A captain mate & 20 seamen took a prise worth 3501 dols of which the captain takes 11 shares & the mate 5 shares the remainder of the prise is equally divided among the sailors how much did each man receive

11

5

20

36

36 :: 3501 :: 11

11

36 | 38511 | 1069"75

36

251

216

351

324

270

252

180

180

36 :: 3501 :: 5

5

36 | 17505 | 486"25

144

310

288

225

216

90

72

180

180

36 :: 3501 :: 20

20

36 | 70020 | 1945

36

340

324

162

144

180

180

A & B traded together & gained 100 dols A put in 640 dols B put in so much that he must receive 60 dols of the gain I demand B's

40 :: 640 :: 60

60

40 | 38400

960