Loss and Gain

Is a rule discovers what is gained or lost in buying or selling goods and instructs merchants and traders to raise or fall the price of their goods so as to gain or lose so much per Cent &c

Examples

1 Bought a piece of Broadcloth containing 53 yards at 4 dols 65 cts per yard and sold @ 5 dols per yard what is the profit on the whole

Ans $18,55 Cents

$5,00
4,65
If yd 1 : ,35 :: yds 53
,35
265
159
$18,55 cts

2 If 1 lb of coffee cost 28 cts and is sold for 31 cts what is the profit on 3 bags weighing 293 lbs net

Ans $8,79 cents Profit

cts 31
28
If lb 1 : 3 :: lb 293
3
$8,79 profit

3 Bought a piece of baize of 42 yds for £4.14.6d and sold it for 2s 6d per yard what is the gain or loss on the whole piece

Ans 10s 6d

yds £ s d
42 : 4. 14. 6
20
94
12
42) 1134 (12/27
84 s2. 3d per yard he paid
294
294

s d 2. 6
2. 3
If yd 1 : 3 :: yds 42
3
12/126
s10. 6d gained

he gained 3d on a yard

4 A merchant bought 59 cwt 3 qr 14 lb of iron @ 112 dols per ton paid Freight and Charges 24 dols what is the gain or loss if he sells the whole @ 37s 6d per cwt

Ans $ 13 dols 26 cts gain

If ton 1 : $ 112 :: cwt qr lb 59. 3. 14
20 4
20 239
4 28
80 1916
28 479
2240 6706
112
13412
6706
6706
2240) 751072 ($ cts 335,30
6720 24
7907 $359,30 he paid
6720
11872
11200
6720
6720
0

If lb 112 : s d 37.4 :: cwt qr lb 59.3.14
12 4
448 239
28
1916
479
6706
448
53648
26824
26824
112) 3004288 (72 pence in a dollar) 26824 pence
224 $372,56 cts sold it
764 $359,30 he paid
672 $13,26 cts Gain
922
896
268
224
448
448

Continued.

5 If a gallon of wine cost 6s 8d and is sold for 7s 2d what is the gain per Cent

Ans 7½ per Cent gain

s d 7. 2
6. 8
If s 6 8 : 6 :: £ 100
12 6
80 80) 600 (7½ per Cent
560
40/80 = 1/2

6 When 20 per Cent loss is made on Coffee sold @ 20 cts per lb what was the first Cost

Ans 25 cts

$ 100
20
If 80 : $ 100 :: cts 20
100
80) 2000 (25 cts
160
400
400

7 At 13½ cts profit on the dollar how much is it per Cent

Ans 13½ per Cent or $13,50 on a 100 dollars

$ $ cts $ cts
100 : 13.50 :: 100.00
13,50
500000
30000
10000
1,00) 1350000,0 (
$13,50 cts

8 A trader sells his goods @ 2½d profit on the shilling how much is it per Cent

Ans $20\frac{5}{6}$ or £20.16.8

d d £
12 : 2½ :: 100
2½
200
50
12) 250 (20 5/6 or
24
2) 10/12 = 5/6

s 20
5
5/6) 100
s16. 4
12
6) 48
8d

5/6 of a £ Equal s d 16.8

9 Which is the better bargain in purchasing fish 17s per quintal and 4 months Credit or 16s 8d Cash

Ans They are alike

4 mo 1/3 yr 6 per Cent
2
If 100
102 : 100 :: s d 17. 0
12 12
1224 204
100
1224) 20400 (s d 16. 8
1224
8160
7344
816
12
1224) 9792 (d 8
9792

4 mo 1/3 6/2 100
2
98 : 100 :: s d 16. 8
12
200
100
98) 20000 (204 / 12 = 17s
196
400
392
8

Proof The present worth of 17s found by discount is equal to 16s 8d and 16s 8d with 4 months interest will amount to 17s