

The Rule of Three Direct

The Rule of Three Direct Teaches by having three numbers given find a fourth which shall have the same proportion to the third as the second has to the first.

Examples

If 2000 lbs of sugar cost 65.15.0 what cost 3500 lbs?

2000 : 65.15.0 :: 3500 : x

4	131	141
25	13	25
100	1460	1125
22		252
329		3975
		14600
		236550
		15712
		3945
329	576408	217520
	324	1460
	2470	73
	2303	
	1710	
	1645	
	655	
	655	

Bought 10 pieces of cloth each piece containing 40 yards at 12.4.2 per yard did the whole come to?

10 : 12.4.2 :: 40 : x

40	12	4	2
4	136	390	
	546		
	390		
	49140		
	1635		
4	212940		
4	53235		
12	13308.3/4		
20	11040		
	5590.3/4		

Federal Money

Note: you must state the question as taught in the Rules foregoing and after reducing the first & third terms to the same name & you may multiply & divide according to the rules in decimals or by the rules for multiplication & dividing Federal Money.

Examples

Bought 4 pieces of cloth each piece containing 31 yds at 12.4.2 per yard New England currency what does the whole amount to in Federal money?

4 : 12.4.2 :: 31 : x

12	4	2
10	348	
60	24852	
	20466	
	341	

A merchant bought 10 pipes of wine with 6 months credit but for ready money gets 5 cents a gallon cheaper how much did he save by paying ready money?

10 : 5 :: 10 : x

10	5
10	50
	500
	1764
	14119