

SQSP = std. cost of materials

RSQSP = Revised std. quantity x standard price.

AQSP → std. cost of Actual materials

AQAP → Actual cost of actual materials.

MPV = AQ(SP - AP)

MUV = SP(SQ - AQ)

MMV = SP(RSQ - AQ)

MYV = SP(SQ - RSQ)

MCV = std. cost of material -  
Actual cost of material

shortcut ② - ① → AQSP - AQAP

shortcut ④ - ② → SQSP - AQSP

shortcut ③ - ② → RSQSP - AQSP

shortcut ④ - ③ → SQSP - RSQSP

shortcut ④ - ① → SQSP - AQAP  
(same)

Q)

	Standard		Actual	
	Quantity	Price	Quantity	Price
Material A	100	10	115	12
Material B	50	6	65	5
	150		180	

Answer  
① Calculation of RSQ

A =  $180 \times \frac{100}{150} = 120$

B =  $180 \times \frac{50}{150} = 60$

② Table preparation

Material	SQSP ④	RSQSP ③	AQSP ②	AQAP ①
A	1000	1200	1150	1380
B	300	360	390	325
Total	1300	1560	1540	1705

MCV = 1300 - 1705 = 405 A OR 405 UF

MPV = 1540 - 1705 = 165 A OR 165 UF

MUV = 1300 - 1540 = 240 A OR 240 UF

MMV = 1560 - 1540 = 20 F

MYV = 1300 - 1560 = 260 A

Verification = MCV = MPV + MUV and MUV = MMV + MYV