chapter -Vaniance Analysis & Standard Costing

It is the benchmark for performance measurement 00000

Variance: Difference between actual & Standard

Favourable Vaniance: Actual Cost L Standard Cost

Unfavourable variance: Actual Cost > Standard Cost

Exercise - 9 From Sheet: (hardcopy ase)

AQ = 20,000 / Actual Quantity AP 2 \$ 2.40 Per Ounce/Actual Price SQ = (2500 × 7.2) = 18,000/standard Quantity SP = \$ 2.50 Per Ounce / 5-tandard Price.

:. Price Varnance ? (AQ X AP) - (AQ X SP)

2 (20,000 × 2·4) - (20,000 × 2·5)

= 2000 2 " DOM Prailes

2 favourable Variance

Salen -VC - FC 2 NP

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° · Quantity. Variance : (AQXSP) - (SQXSP)
                   = (20,000 × 2.5) - (18,000 × 2.5)
                    2 50,000 - 45,000
                    2 Unfavourcable Variance.
                    2 5000
* requirement bi-
  Griven,
       Actual Hour, AH 2900 hours
       Standard Hour, SH, 2 (0.4 × 2500) = 1000
      Actual Rate, AR 2 $ 12 Per hours.
       Standard Rate, SR : $10 Per hour.
                                     Fi Formidas
      > 900 hour 4 STATE 22 10800 $
    (92° 1 y hours 12 84) = 10800 $
  .. Rate Variancez (AH XAR) - (AH XSR)
                  2 (900 ×12) - (900 ×10)
    (42×11A) = (42-1800) (favourcable Vaniance)
   . Efficiency Varnance 2 (AH XSR) - (SH XSR)
                        3 (200 X 10) - (1000 X 10)
 ince: (AHXAR) = (AHXSR)
 (42×H2) - (92×HA) : 2min 2 Unifavourable Variance
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4 Material Variance

- a) Price Variance
- 6) Quartity Variance

2A) a sometime

12 Labour Variance

- a) rate Variance
- 6) efficiency Vaniance

Derchead Variance

- a) Spending Vaniance
- b) efficiency variance.

1 Formulaz

* Material Variance.

- a) Price Variance = (AQXAP) (AQXSP)
- b) Quantity Vanjance z (AQXSP) (SQXSP)

* Labour Vaniance:

- a) Rate Variance: (AHXAR) (AHXSR)
- b) efficiency vaniance: (AHXSR) (SHXSR)

* Overhead Variance:

- a) Spending Vaniance: (AHXAR) (AHXSR)
- b) Efficiency Variance: (AHXSR) (SHXSR)

A > Actual, S > Standard &> Quantity, R > Rate H > Hour, P > Price

1 exercise ~> 01+

Griven,

Production 4000 chopping board

Actual Material = 11000 feet hardwood

Total material Cost = 18700

Standard Material 2 2.5 Feet Per Locand. Cost 2 \$ 1.80 Per Feet

Requirement (a):

Standard material for 4000 board 2 (4000 × 2.5) ft 210,000 ft.

Standard material cost 2 (1.80 x 10,000) 218,000\$

i. difference between actual and standard cost—
(18700 − 18000)

2700 ~> Unfavourable.

Requirement (b):

Quantity Variance
$$z$$
 (AQ XSP) — (SQ X SP)
 $z(11,000 \times 1.8) - (10,000 \times 1.8)$
 $z(19,800 - 18,000$
 $z(1800) = 1800 = 1800$

difference between octual sond standard

open Uniteraction

Standard material cost of 1000 X