Calculate

2,5% and 0,7 % of following numbers

25

75

105

13

0,25

0,11

Calculate minute values to seconds

0,25

0,45

0,50

1,9

2,7

SAM: Standard Allowed Minute: time needed to produce a product + Allowance (breaks and machine stoppage etc)

Efficiency Calculation Formula:
Efficiency (%) = [Total minute produced by an operator/Total minute attended by him \*100]

Where,

Total minutes used for production = Total pieces made by an operator X SAM of the operation [minutes]

Total minutes attended = Total hours worked on the machine X 60 [minutes]

Question: An operator was doing an operation of SAM 0.50 minutes. In an 8 hours shift day he produces 400 pieces. So calculate operator’s overall efficiency.

Question

An operator was doing an operation of SAM 0.50 minutes. In an 8 hours shift day he produces 400 pieces. Operator was idle ‘waiting for work’ for 30 minutes and his machine broke down for 15 minutes in his shift. So calculate operator’s overall efficiency.

Question:

Calculate worker efficiency when SAM 0.2 minutes. In an 8 hours shift day he produces 250 pieces.

Also calculate standard efficiency when machine breaks for 2.5 hour.

Question:

Calculate worker efficiency when SAM 17 seconds. In a 6 hours shift day he produces 500 pieces.

Also calculate standard efficiency when machine breaks for 2 hour.

Question

Calculate SAM of garments when worker work for 8 hours, makes 300garments and takes 2hour break and his efficiency is 58%

= (400 x 0.50) / (8 X 60)\*100%

= 200/480\*100%

= 41.67%

= (400 x 0.50) / {480 – (30 +15)}\*100%

= 200/435\*100%

= 45.98%