

## FAT LOST IN SKIM MILK

### Yield of cream

This can be calculated by the formula:

$$C = M X \frac{f_m - f_s}{f_c - f_s},$$

Edit Formula

Where,

$C$  = weight of cream (kg);

$M$  = weight of milk (kg);

$f_m$  = fat percentage of milk;

$f_s$  = fat percentage of skim milk;

$f_c$  = fat percentage of cream.

**Fat recovery in cream:** This can be calculated by the formula:

$$\text{Per cent fat recovered in cream} = \frac{\text{Kg fat in cream}}{\text{Kg fat in milk}} \times 100.$$

### Yield of skim milk

This can be calculated by the following formula:

$$S = M X \frac{f_c - f_m}{f_c - f_s},$$

Edit Formula

Where,

$S$  = weight of skim milk (kg);

$M$  = weight of milk (kg);

$f_m$  = fat percentage of milk;

$f_s$  = fat percentage of skim milk;

$f_c$  = fat percentage of cream

**Fat lost in skim milk:** This can be calculated by the formula:

$$\text{Per cent fat lost in skim milk} = \frac{\text{Kg fat in skim milk}}{\text{Kg fat in milk}} \times 100 \dots \text{I}$$

$$= \frac{f_c - f_m}{f_c - f_s} \times \frac{f_s}{f_m} \times 100 \dots \text{II}$$

Where  $f_c$ ,  $f_m$  and  $f_s$  are as above.