

Equation of Payments

By finding the equated time to pay at once several debts due at different periods of time so that no loss shall be sustained by either

Examples

A owes B 1000 dollars whereof 200 dollars a merchant has due to him a certain time to be paid present 400 dollars at sums of money to be paid one sixth at 2 months the rest at 15 months but months one third at 3 months & the rest agree to make one payment of at 6 months what is the equated time the whole demand when that time for the payment of the whole

$$\begin{array}{r} 200 \\ 400 \times 2 \\ 400 \times 3 \\ 1000 \end{array}$$

$$\begin{array}{r} 15 \times 2 = 30 \\ 30 \times 3 = 90 \\ 45 \times 6 = 270 \\ 90 \times 3 = 270 \\ 30 \times 3 = 90 \\ 30 \times 3 = 90 \\ 30 \times 3 = 90 \end{array}$$

Barter

Is exchanging of one commodity for another & directs merchants & traders how to make the exchange without loss to either party

Rule

Find the value of the commodity whose quantity is given then find what quantity of the other at the proposed rate can be bought for the same money it gives the answer

Examples

How much wheat at 10d 25cts a bushel must be given in barter for 30 bushels of rye bartered for 30 cwt of raisins at 3d per lb at 7 pcts a bushel

$$\begin{array}{r} 100 \\ 3500 \\ 3500 \end{array}$$

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Barter

How much tea at 45 pcts per lb must be given in barter for 78 gallons of brandy at 125-3 pcts per gallon

$$\begin{array}{r} 100 \\ 4500 \\ 4500 \end{array}$$

A and B bartered & had 8 cwt of sugar at 12 cts per lb for which B gave him 12 cwt of flour what was the flour rate at barter

$$\begin{array}{r} 100 \\ 1200 \\ 1200 \end{array}$$

B delivered 3 hhds of brandy at 125 pcts per gallon to C for 126 yds of cloth what was the cloth per yd

$$\begin{array}{r} 100 \\ 12600 \\ 12600 \end{array}$$

D gives 250 yds of druggs at 3 cts per yd for 319 lb of pepper what does the pepper stand him in per lb

$$\begin{array}{r} 100 \\ 31900 \\ 31900 \end{array}$$

A and B bartered & had 100 cwt of rice at 3 pcts per cwt for which B gave him 200 in money & the rest in sugar at 8 pcts per lb demand how much sugar B gave A besides the 200

$$\begin{array}{r} 100 \\ 3000 \\ 3000 \end{array}$$

Two farmers bartered & had 120 bushels of wheat at 12 cts per bushel for which B gave him 100 bushels of barley worth 15 cts per bushel the balance in oats at 40 cts per bushel what quantity of oats did A receive from B

$$\begin{array}{r} 100 \\ 1200 \\ 1200 \end{array}$$