Calculate the weight of petroleum ether extract as % of original sample by the formulas,

Oil, as-is % = [(A-B) x 100] / W
Oil, dry basis % = (Oil as-is, % x 100) / (100 - M)

Calculate the weight of petroleum ether extract

37.538	A = wt of flask + extracted fatty substances (g)
37.462	B = wt of flask (g)
10.045	W = wt of sample of cereal adjunct (g)
11.200	M = moisture content, % in cereal adjunct

Calculate Reset

Results

0.76	Oil, as-is, %
0.85	Oil, dry basis, %

Example:

Oil, as is % = [(37.538 – 37.462) x 100] / 10.045
= 0.757
= 0.76
Oil, dry basis % = (0.757 x 100) / (100 – 11.2)
= 0.85