

TABLE 3.6 The Grams of Fat and Calories of Fat Consumed per Week

Participants	Grams of Fat	Calories
A	2	18
B	3	27
C	4	36
D	5	45
E	6	54
$n = 5$	$M = 4$	$M = 36$

Because fat (in grams) was multiplied by the same constant (9 calories per gram of fat) for each participant, the mean also increased by a multiple of 9.