



Fill In The Blanks...



More Combining Means

Question	Table				Answer
Eleven members of a scout group have a mean height of 162 cm. A new member with a height of 168 cm joins the group. What is the new mean height of the scout group?	Group	Frequency	Mean	Total	<i>162.5 cm</i>
	Scout group	11	162	1782	
	New member	1	168	168	
	Combined	12	162.5	1950	
Class 8Y has 22 students and class 8Z has 28 students. In an essay, 8Y obtained a mean score of 68%. The mean score across both classes was 70.8%. Find the mean score for 8Z.	Group	Frequency	Mean	Total	<i>73%</i>
	8Y	22	68	1496	
	8Z	28	73	2044	
	Combined	50	70.8	3540	
There are two ponds containing a total of 25 ducks. In the first pond there are ten ducks with a mean weight of 1.6 kg. The mean weight of all 25 ducks is 1.48 kg. Find the mean weight of the ducks in the second pond.	Group	Frequency	Mean	Total	<i>1.4 kg</i>
	1 st Pond	10	1.6	16	
	2 nd Pond	15	1.4	21	
	Combined	25	1.48	37	
A bakery makes 64 sausage rolls and 56 cheese pasties. The mean weight of all the baked goods is 246 grams. If the mean weight of the sausage rolls is 190 grams, what is the mean weight of the cheese pasties?	Group	Frequency	Mean	Total	<i>310 grams</i>
	Sausage rolls	64	190	12160	
	Cheese pasties	56	310	17360	
	Combined	120	246	29520	
Kris watches eight adverts, which have a mean playing time of 39 seconds. Two of the adverts have a mean playing time of 29 seconds. Find the mean playing time of the remaining six adverts, giving your answer to 1 decimal place.	Group	Frequency	Mean	Total	<i>42.3 seconds</i>
	Six adverts	6	42.3	254	
	Two adverts	2	29	58	
	All Eight	8	39	312	