

Answers for ANOVA

1. Testing the effects of self interests on persuasion

Source	df	SS	MS	F	
between	2	108	54	28	
within	15	30	2		f crit = 3.68
total	17	13	8		

$F(2, 15) = 28.0, p < .05.$

2. Testing self-esteem and conformity.

Source	df	SS	MS	F	
between	2	108	54	15.56	
within	15	52	3.47		f crit = 3.68
total	17	160			

$F(2, 15) = 15.56, p < .05$

3. Filling in the missing values in the ANOVA summary table.

Source	df	SS	MS	F
between	3	45	15	5
within	36	108	3	
total	39			

4. ANOVA for 4 groups

Source	df	SS	MS	F
between	3	56.25	18.75	4.17
within	8	36	4.5	
total	11	92.25		