

## Answers for simple Anova

### 1. Testing the effects of self interests on persuasion

Source	df	SS	MS	F	
between	2	108	54	27	
within	15	30	2		f crit = 3.68
total	17	138			

$$F(2, 15) = 27.0, p < .05.$$

### 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		f crit = 4.07
total	11	92.25			

$$F(3, 8) = 4.17, p < .05.$$