

5.1 A, B, C

Categorical Variable: values that measure characteristics using words that represent possible responses within a given category.

Example

Categorical Variable: Breed of Dog

Values: Poodle, Chihuahua, Irish Setter, etc.

	Prefer Wood	Prefer Steel
age ≤ 40	45	60
age > 40	15	20

True or false and Explain Why

A₁)

A₂)

A₃)

A₄)

A₅)

B	Wood	Steel	Total
Age ≤ 40			420
Age > 40			210
Total			

B₁) Wood total =

Steel total =

B₂) fill in the table

C) I would recommend the _____ coaster because...

5.2 A, B, C

	Democrat	Independent	Republican	Total
Boys	8	4	12	
Girls	8	2	6	
Total				

True/False and Justify

A₁)

A₂)

A₃)

A₄)

B₁) complete the table above

B₂) Knowing the totals does/not change my answers because...

C₁)

	Democrat	Independent	Republican
Boys	$\frac{8}{24} = \frac{1}{3} = 33.\overline{3}\%$		
Girls			

C₂)

5.3 A, B, D

A) On Time HW Late HW

After School Job

No After School Job

B) True or false with justification

B₁)

B₂)

B₃)

B₄)

D) One alternate explanation could be...

