

Part 1. Multiple choice

- 1. b
- 2. b
- 3. c
- 4. c
- 5. a
- 6. a
- 7. d
- 8. d

Part 1: $\frac{7}{8}$

Part 2: $\frac{51}{60}$

$25 + 63.75 = 88.75$

B

Part 2. Estimation

Group		Total	Animals	Objects
1	\hat{t}_y CVe	5027826 4.77%	2537596 10.60%	2490231 11.53%
	95% CI	[4557895, 5497758]	[2010461, 3064730]	[1927501, 3052960]
2	\hat{t}_y CVe	70233685 4.43%	23675203 11.81%	46558482 8.15%
	95% CI	[64129679, 76337690]	[18192815, 29157591]	[39122028, 53994936]
3	\hat{t}_y CVe	24641057 0.12%	6887721 8.99%	17753337 3.56%
	95% CI	[24581266, 24700849]	[5674336, 8101105]	[16513323, 18993351]
4	\hat{t}_y CVe	82945832 5.56%	17320196 6.21%	65625635 5.44%
	95% CI	[73899411, 91992253]	[15210581, 19429811]	[58630343, 72626928]
5	\hat{t}_y CVe	20627849	16232838	4395010
	95% CI			
Total	\hat{t}_y CVe	203476249 2.74%	66653554 4.71%	136822695 3.87%
	95% CI	[192543923, 214408575]	[60495637, 72811471]	[126447737, 147197653]

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1					
	Estimate	SE	Cve	95% Conf. Interval	
Total	5027826	239765	4.77%	4557895	5497758
Animals	2537596	268951	10.60%	2010461	3064730
Objects	2490231	287112.3	11.53%	1927501	3052960
2					
	Estimate	SE	Cve	95% Conf. Interval	
Total	70233685	3114346	4.43%	64129679	76337690
1	23675203	2797188	11.81%	18192815	29157591
2	46558482	3794179	8.15%	39122028	53994936
3					
	Estimate	SE	Cve	95% Conf. Interval	
Total	24641057	30507	0.12%	24581266	24700849
1	6887721	619085.2	8.99%	5674336	8101105
2	17753337	632672	3.56%	16513323	18993351
4					
	Estimate	SE	Cve	95% Conf. Interval	
Total	82945832	4615606	5.56%	73899411	91992253
1	17320196	1076354	6.21%	15210581	19429811
2	65625635	3569092	5.44%	58630343	72620928
5					
	Estimate	SE	Cve	95% Conf. Interval	
Total	20627849				
1	16232838				
2	4395010				
Total					
	Estimate	SE	Cve	95% Conf. Interval	
Total	203476249		2.74%	192543923	214708575
1	66653554		4.71%	60495637	72811471
2	136822695		3.87%	126447737	147197653