

REVIEW DATA ANSWERS

- 2) 80 3) Bias 4) Bias
- 6) 16, 17, 15 7) Adam had more samples
- 8) $1200/1500 = 80\%$ 9) 24,000
- 10) A convenience sample
- 11) 12, 32, 13, 04, 44, 18, 19, 40, 36, 24, 28, 23, 29, 16, 50
- 12) 45, 14, 29, 06, 03, 02, 09, 15, 04, 17, 32, 22, 47, 31, 26

13) It helps eliminate bias in choosing the sample.

14) 21 Rayden, 18 Frankie, 19 Damien, 10 Marcus, 03 Selvin

15) The tests subjects are divided into 2 groups at random. The test coordinator determines who will get the treatment and who will get the placebo. The person administering the treatment does not know who gets which, only the coordinator does.

19) Use the Double-Blind experiment like # 15

20) $\pm 4.5\%$ 21) population 10,404
Sample 225
Margin of error $\pm 6.7\%$

22) Make it smaller

23) We can have a 95 % confidence that the truth about the population lies within the margin of error.

38) a) It is an observational study because it does not impose a "treatment".

b) "statistical significance" It is unlikely to occur by chance.

c) Maybe they don't drink anything due to other health reasons.