Lesson 5.3 Practice: Problems with Surveys

School Launch · Statistics · Unit 5: Collecting Data: Samples and Experiments · Worksheet A

Calculator / tables

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. A magazine mailed 1602 surveys and got 267 back; 207 said yes. Find the response rate and the percent yes among responders (nearest tenth). Name the main bias risk. EASY

2. A magazine mailed 1057 surveys and got 157 back; 109 said yes. Find the response rate and the percent yes among responders (nearest tenth). Name the main bias risk. EASY

3. A magazine mailed 1190 surveys and got 216 back; 160 said yes. Find the response rate and the percent yes among responders (nearest tenth). Name the main bias risk. EASY

4. A magazine mailed 944 surveys and got 258 back; 107 said yes. Find the response rate and the percent yes among responders (nearest tenth). Name the main bias risk.
MEDIUM

5. A magazine mailed 1688 surveys and got 364 back; 194 said yes. Find the response rate and the percent yes among responders (nearest tenth). Name the main bias risk.
MEDIUM

6. A magazine mailed 765 surveys and got 199 back; 148 said yes. Find the response rate and the percent yes among responders (nearest tenth). Name the main bias risk.
MEDIUM

7. A magazine mailed 890 surveys and got 149 back; 97 said yes. Find the response rate and the percent yes among responders (nearest tenth). Name the main bias risk.
MEDIUM

8. A magazine mailed 1099 surveys and got 128 back; 39 said yes. Find the response rate and the percent yes among responders (nearest tenth). Name the main bias risk. HARD

9. A magazine mailed 839 surveys and got 333 back; 196 said yes. Find the response rate and the percent yes among responders (nearest tenth). Name the main bias risk. HARD

10. A magazine mailed 625 surveys and got 333 back; 212 said yes. Find the response rate and the percent yes among responders (nearest tenth). Name the main bias risk. HARD