

Math 1313
Homework 14
Section 5.2

1. The choices for problem number 4 from the book are given below.
 - a. 10
 - b. 9
 - c. 18
 - d. 7
 - e. 12

2. The choices for problem number 6 from the book are given below.
 - a. 9
 - b. 11
 - c. 8
 - d. 12
 - e. 10

3. The choices for problem number 18 from the book are given below.
 - a. 35
 - b. 150
 - c. 169
 - d. 115
 - e. 19

4. The choices for problem number 26 from the book are given below.
 - a. 88
 - b. 73
 - c. 56
 - d. 79
 - e. 112

5. The choices for problem number 30 part b from the book. How many students buy lunch only from the food trucks?
 - a. 101
 - b. 43
 - c. 30
 - d. 99
 - e. 73

6. The choices for problem number 34 from the book are given below.
 - a. 106
 - b. 82
 - c. 122
 - d. 187
 - e. 13

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Use the following problem to answer questions 7 and 8.

In a recent election, there were two propositions on the ballot, Prop A and Prop B. During exit polling, 250 voters were surveyed with the following results 189 voted for Prop A, 96 voted for both Prop A and Prop B 54 voted for neither Prop A nor Prop B.

7. How many surveyed voted for exactly one proposition?

- a. 150
- b. 61
- c. 100
- d. 103
- e. 147

8. How many surveyed voted at most one proposition?

- a. 154
- b. 54
- c. 7
- d. 93
- e. 100

Use the following problem to answer questions 9 and 10.

Of 500 new subscribers to a wireless phone service: 291 chose the unlimited minutes plan, 421 ordered the unlimited text plan and 282 ordered the unlimited data plan. 215 ordered all 3 plans. None of the subscribers chose none of the 3 plans. 11 chose the minutes and text plans but not the data plan. 25 chose the minutes and data plans but not the text plan. 14 chose only the data plan.

9. How many subscribers chose at least one of these plans?

- a. 279
- b. 224
- c. 221
- d. 497
- e. 285

10. How many of the subscribers chose exactly 2 plans?

- a. 285
- b. 279
- c. 215
- d. 64
- e. 12