NAME _____ DATE _____ PERIOD _____

9-1

Practice: Skills

Simple Events

A set of 12 cards is numbered 1, 2, 3, ...12. Suppose you pick a card at random without looking. Find the probability of each event. Write as a fraction in simplest form.

1. P(5)

2. P(6 or 8)

3. P(a multiple of 3)

4. P(an even number)

5. P(a multiple of 4)

6. P(less than or equal to 8)

7. P(a factor of 12)

8. P(not a multiple of 4)

9. P(1, 3, or 11)

10. P(a multiple a 5)

The students at Job's high school were surveyed to determine their favorite foods. The results are shown in the table at the right. Suppose students were randomly selected and asked what their favorite food is. Find the probability of each event. Write as a fraction in simplest form.

Favorite Food	Responses
pizza	19
steak	8
chow mein	5
seafood	4
spaghetti	3
cereal	1

11. P(steak)

12. P(spaghetti)

13. P(cereal or seafood)

14. P(not chow mein)

15. P(pizza)

16. P(cereal or steak)

17. P(not steak)

18. P(not cereal or seafood)

19. P(chicken)

20. P(chow mein or spaghetti)