Name _____

Homework 15-1
Frequency Tables

Another Look!

The table below shows the actual weights of bags of oranges on a shelf in a supermarket.

DATA

Weights of Bags of Oranges				
4 pounds	$3\frac{7}{8}$ pounds	$4\frac{1}{8}$ pounds	$3\frac{7}{8}$ pounds	4 pounds
$4\frac{1}{8}$ pounds	$4\frac{1}{4}$ pounds	$3\frac{7}{8}$ pounds	$4\frac{1}{8}$ pounds	$3\frac{7}{8}$ pounds
$3\frac{7}{8}$ pounds	$3\frac{7}{8}$ pounds	$3\frac{7}{8}$ pounds	$3\frac{7}{8}$ pounds	$4\frac{1}{8}$ pounds
$4\frac{1}{8}$ pounds	$4\frac{1}{4}$ pounds	$4\frac{1}{8}$ pounds	$4\frac{1}{4}$ pounds	$3\frac{7}{8}$ pounds
$4\frac{1}{8}$ pounds	$4\frac{1}{8}$ pounds	$4\frac{1}{8}$ pounds	$4\frac{1}{8}$ pounds	4 pounds

You can make a tally chart of the data. Each tally represents 1 bag of oranges. Then you can add a frequency column to complete a frequency table.

Bags of Oranges		
Weight	**Tally**	**Frequency**
$3\frac{7}{8}$ pounds	𝍸 ////	9
4 pounds	///	3
$4\frac{1}{8}$ pounds	𝍸 𝍸	10
$4\frac{1}{4}$ pounds	///	3

Frequency tables can help organize data and solve problems.

1. The prices of items at a concession stand are listed below. Use the information to complete the frequency table to the right.

   $1.00 $1.50 $1.25 $0.75 $2.50 $3.00
   $1.50 $0.75 $1.50 $2.00 $1.50 $1.25

Price	Tally	Frequency
$0.75		
$1.00		
$1.25		
$1.50		
$2.00		
$2.50		
$3.00		

2. Which price is most common for the items sold at the concession stand?

3. How many different items are sold at the concession stand?

4. How many times as many $1.50 items are there as $0.75 items?

5. **Analyze Information** The heights of all the players on the South High School basketball team are shown in the frequency table at the right. Which statement is true?

A There are more players taller than 6 feet than there are players shorter than 6 feet.
B The most common height of a player is 6 feet.
C There are no players $6\frac{1}{2}$ feet tall.
D All of the above.

Height	Tally	Frequency
$5\frac{5}{6}$ ft	//	2
$5\frac{11}{12}$ ft	//	2
6 ft	𝍸	5
$6\frac{1}{6}$ ft	///	3
$6\frac{1}{4}$ ft	/	1
$6\frac{5}{12}$ ft	/	1

6. **Explain** How does making a frequency table help you organize data?

7. **Represent** Which number is represented by 𝍸 𝍸 𝍸 ////?

DATA

Video Game Prices

$42.49	$35.00	$54.99	$29.99
$42.49	$44.99	$44.99	$49.99
$39.99	$42.49	$44.99	$49.99
$44.99	$49.99	$42.49	$44.99
$42.49	$46.90	$44.99	$49.99
$54.99	$56.99	$36.99	$39.99
$54.99	$39.99	$39.99	

Price	Tally	Frequency
$29.99		
$35.00		
$36.99		
$39.99		
$42.49		
$44.99		
$46.90		
$49.99		
$54.99		
$56.99		

8. Complete the frequency table for the data of video game prices.

9. What is the lowest-priced game?

10. What is the most common price of a game?

11. **Extend Your Thinking** The letters *a, e, i, o, u* are vowels. All other letters are consonants. How many letters in the words *United States Constitution* are vowels? How many are consonants? Make a frequency table to find out.