



Homework 15-1 Frequency Tables

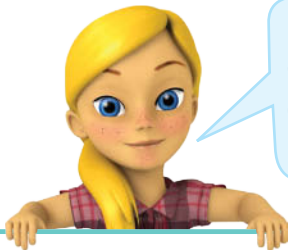
Another Look!

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

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	 	9
4 pounds	///	3
$4\frac{1}{8}$ pounds	 	10
$4\frac{1}{4}$ pounds	///	3



Frequency tables can help organize data and solve problems.

- 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

- Which price is most common for the items sold at the concession stand?
- How many different items are sold at the concession stand?
- How many times as many \$1.50 items are there as \$0.75 items?

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

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		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 ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~?

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.