Name _____ Date _____

7–5

Reteach

Scales and Intervals

The frequency table shows the cost of T-shirts at the mall.

T-Shirt Prices at the Mall		
Price ($)	Tally	Frequency
10–11.99	𝍸 ||	7
12–13.99	𝍸 𝍸 |	11
14–15.99	||	2
16–17.99	|||	3
18–19.99	||	2

The frequency table has a scale from $10 to $19.99. The scale includes the least and greatest values in the data set. The scale is separated into intervals. The interval separates the scale into equal parts. There are 5 intervals in the frequency table. The interval size is $1.99.

Most T-shirts are in the _____ interval.

The cost of a gallon of orange juice at 20 different supermarkets is shown.

Orange Juice Prices (per gallon)				
$2.11	$2.07	$2.23	$2.25	$2.28
$2.27	$2.26	$2.15	$2.25	$2.47
$2.27	$2.26	$2.25	$2.35	$2.25
$2.35	$2.25	$2.37	$2.49	$2.27

1. Choose an appropriate scale and interval size for a frequency table that will represent the data. Describe the intervals. Then make a frequency table.

_____

Orange Juice Prices (per gallon)		
Price ($)	Tally	Frequency

2. Write a sentence or two to describe how the data are distributed among the intervals.

_____

Name _____ Date _____

7–4

Skills Practice

Frequency Tables

The table shows the names of several famous artists.

Famous Artists			
Matisse	Monet	Cezanne	Picasso
Manet	Renoir	Rothko	Whistler
Dali	Van Gogh	Magritte	Degas
Miro	Da Vinci	Gauguin	Chagall

1. Make a frequency table to show the number of letters in each name.

Number of Letters	Tally	Frequency

2. Find the median, mode, and range of the data. Identify any outliers.

_____

Violet took a survey of her classmates' hobbies. Her results appear in the table.

Classmates' Hobbies					
R	D	S	R	D	R
P	P	S	S	S	P
T	S	T	S	S	D
T	R	S	D	D	S

R = reading
D = drawing
P = photography
S = sports
T = watching TV

3. Make a frequency table of the data.

Hobbies	Tally	Frequency

4. What is the mode of the data?

_____

Name _____ Date _____

7–5

Skills Practice

Scales and Intervals

The table shows the 25 highest mountains in Texas.

Highest Mountains in Texas (ft)				
8,378	7,835	7,031	7,730	8,368
6,781	8,508	8,749	6,894	6,860
8,631	6,814	7,550	8,615	6,398
7,748	8,085	6,521	6,432	7,825
6,717	6,580	6,725	6,350	6,650

Source: Texas State Library

1. Choose an appropriate scale and interval size for a frequency table that will represent the data. Then make a frequency table.

_____

2. Write a sentence or two to describe how the data are distributed among the intervals.

_____

_____

25 Highest Mountains in Texas		
Height (ft)	Tally	Frequency

The table shows race results to the nearest tenth for the school track team.

Track Team Race Times (min.)				
10.3	11.7	10.1	12.8	10.7
11.9	9.5	7.3	9.7	10.8
12.1	13.6	9.3	9.1	14.5

3. Choose an appropriate scale and interval size for a frequency table that will represent the data. Then make a frequency table.

_____

4. Write a sentence or two to describe how the data are distributed among the intervals.

_____

_____

Track Team Race Times		
Time (min.)	Tally	Frequency

Name _____ Date _____

7–4

Homework Practice

Frequency Tables

The Reges family kept a record of the heights of all the children at their family reunion. Here are the results:

51, 45, 48, 51, 51, 50, 45, 47, 45, 45, 46, 49, 46, 50, 49, 45

1. Make a frequency table of the data.

Height (in.)	Tally	Frequency
45		
46		
47		
48		
49		
50		
51		

2. Find the median, mode, and range of the data. Identify any outliers.

_____

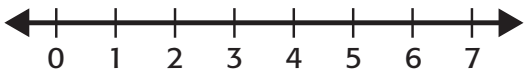
Spiral Review

Draw a line plot for the set of data. Then find the median, mode, range, and any outliers of the data shown in the line plot. (Lesson 7-3)

3.

Number of Times on a Plane			
1	2	0	2
1	0	1	3
0	2	0	2
0	3	0	7

Number of Times on a Plane



_____

Name _____ Date _____

7–5

Homework Practice

Scales and Intervals

The table shows the longest rivers in the world.

Longest Rivers in the World (miles)				
2,341	2,590	2,718	2,543	4,160
2,635	2,734	3,362	2,744	2,485
3,395	2,350	4,000	3,964	2,600

1. Choose an appropriate scale and interval size for a frequency table that will represent the data. Then make a frequency table.

_____

2. Write a sentence or two to describe how the data are distributed among the intervals.

_____

Longest Rivers in the World		
Length (mi)	Tally	Frequency

Spiral Review

The table shows the heights of 25 small trees in Lucy's backyard. (Lesson 7-4)

Height of Trees (in.)				
72	73	72	72	72
72	72	73	72	72
74	72	72	74	73
72	72	75	75	73
74	78	73	72	74

3. Make a frequency table of the data.

4. Find the median, mode, and range of the data. Identify any outliers.

_____

_____

Height of Trees		
Height (in.)	Tally	Frequency

Name _____ Date _____

Reteach

Frequency Tables

Mario asked his classmates how many pets they have. Here are the results:

Number of Pets							
3	1	2	3	6	4	2	0
0	0	1	2	2	1	3	4
2	1	2	0	5	5	4	0

Make one tally in the frequency table for each time a particular number of pets occurs. Count and record the number of tallies.

Frequency Table		
Number of Pets	**Tally**	**Frequency**
0		
1		
2		
3		
4		
5		
6		

The number of games won by the school baseball team over the last 15 years are shown below.

10, 8, 11, 7, 9, 12, 13, 9, 7, 8, 10, 10, 9, 8, 8

1. Make a frequency table of the data.

Number of Wins	Tally	Frequency
7		
8		
9		
10		
11		
12		
13		

2. How many times did the team win 10 or more games?

_____

3. Find the median, mode, range, and any outliers of the data.

_____