

**Table of Rainfall  
for Selected Arizona Cities**

	Phoenix		Nogales		Flagstaff	
	2018	Avg.	2018	Avg.	2018	Avg.
January	.2	.9	.1	1.3	2.1	2.1
February	.5	.9	2.1	1.0	1.6	2.3
March	0	1.0	0	.9	1.1	2.2
April	0	.3	0	.6	.2	1.3
May	0	.1	0	.3	.6	.6
June	0	0	.8	.6	.6	.4
July	.1	1.1	4.0	4.1	4.8	2.4
August	1.5	1.0	3.7	4.5	3.5	3.5
September	.4	.6	1.8	1.6	.4	2.6
October	5.4	.6	3.1	1.4	5.1	1.9
November	.4	.7	.1	.6	.7	1.8
December	.1	.9	.5	1.4	0	2.1
<b>Total</b>	<b>8.6</b>	<b>8.1</b>	<b>16.2</b>	<b>18.3</b>	<b>20.7</b>	<b>23.2</b>

All rainfall amounts are listed in inches, rounded to the nearest tenth.

Source: <https://www.usclimatedata.com>

**Use the Table of Rainfall for Selected Arizona Cities to answer the following questions.**

- \_\_\_\_\_ 1. In Phoenix, how many months in 2018 had below average rainfall?
  
- \_\_\_\_\_ 2. In Nogales, how many months in 2018 had below average rainfall?
  
- \_\_\_\_\_ 3. In Flagstaff, how many months in 2018 had below average rainfall?
  
- \_\_\_\_\_ 4. In Phoenix, how many months in 2018 had greater than average rainfall?
  
- \_\_\_\_\_ 5. In Nogales, how many months in 2018 had greater than average rainfall?
  
- \_\_\_\_\_ 6. In Flagstaff, how many months in 2018 had greater than average rainfall?
  
- \_\_\_\_\_ 7. Did Phoenix have more or less rainfall in 2018 than in an average year?  
Use the symbol < or > to answer the question.
  
- \_\_\_\_\_ 8. Did Nogales have more or less rainfall in 2018 than in an average year?  
Use the symbol < or > to answer the question.
  
- \_\_\_\_\_ 9. Did Flagstaff have more or less rainfall in 2018 than in an average year?  
Use the symbol < or > to answer the question.

## Student Worksheet **Answer Key**

Use the table of Average Annual Rainfall and 2018 Rainfall to answer the following questions.

9 1. In Phoenix, how many months in 2018 had below average rainfall?

8 2. In Nogales, how many months in 2018 had below average rainfall?

6 3. In Flagstaff, how many months in 2018 had below average rainfall?

2 4. In Phoenix, how many months in 2018 had greater than average rainfall?

4 5. In Nogales, how many months in 2018 had greater than average rainfall?

3 6. In Flagstaff, how many months in 2018 had greater than average rainfall?

> 7. Did Phoenix have more or less rainfall in 2018 than in an average year?  
Use the symbol < or > to answer the question.

< 8. Did Nogales have more or less rainfall in 2018 than in an average year?  
Use the symbol < or > to answer the question.

< 9. Did Flagstaff have more or less rainfall in 2018 than in an average year?  
Use the symbol < or > to answer the question.

**Student Assessment Instructions** Name \_\_\_\_\_

Create a **line graph** for one of the cities listed in the Table of Rainfall for Selected Arizona Cities. Make sure that your graph has all of the following information:

1. A title that describes the information in the graph.
2. The left side of the graph is labeled with the number of inches of rainfall.
3. The bottom of the graph lists the months of the year.
4. The rainfall for each month of 2018 is plotted on the graph.
5. The rainfall for an average year is plotted for each month on the graph.
6. Different colored lines are used to show average rainfall and rainfall in 2018.
7. A key that tells which color line shows which is the average rainfall and the rainfall in 2018.

**Assessment Checklist**

- \_\_\_\_\_ 1. The graph has a title that describes the information in the graph.
- \_\_\_\_\_ 2. The number of inches of rainfall are listed and labeled on the y-axis of the graph.
- \_\_\_\_\_ 3. The months of the year are listed and labeled on the x-axis of the graph.
- \_\_\_\_\_ 4. The rainfall for each month of 2018 is plotted on the graph.
- \_\_\_\_\_ 5. The rainfall average for each month is plotted on the graph.
- \_\_\_\_\_ 6. The plotted points are connected by different color lines.
- \_\_\_\_\_ 7. The key indicates which line is the average rainfall and which line is the rainfall in 2018.