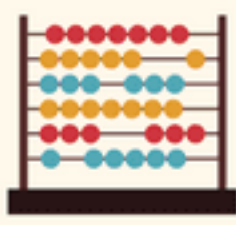
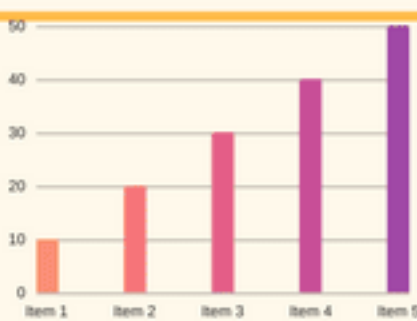


| Points                    | Discrete Data                                                                                                                                                                                                                                                                                                                                                                            | Continuous Data                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Meaning                   | Discrete data has clear spaces between values.                                                                                                                                                                                                                                                                                                                                           | Continuous data falls on a continuous sequence.                                                                                                                                                                                                                                                                                                                                                    |                                                                                                 |
| Can you count the data?   | Yes, data is usually units counted in whole numbers.                                                                                                                                                                                                                                                                                                                                     | Generally, NO                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                 |
| Can you measure the data? | NO                                                                                                                                                                                                                                                                                                                                                                                       | YES                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                |
| Values                    | It has a finite number of possible values. The values cannot be divided into smaller pieces and add additional meaning.                                                                                                                                                                                                                                                                  | It has an infinite number of possible values within an interval. The values can be subdivided into smaller and smaller pieces.                                                                                                                                                                                                                                                                     |                                                                                               |
| Graphical Representation  | Bar Chart                                                                                                                                                                                                                                                                                                                                                                                | Histogram                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                               |
| Examples                  | <ul style="list-style-type: none"> <li>The number of students in a class.</li> <li>The number of workers in a company.</li> <li>The number of parts damaged during transportation.</li> <li>Shoe sizes.</li> <li>Number of languages an individual speaks.</li> <li>The number of home runs in a baseball game.</li> <li>The number of test questions you answered correctly.</li> </ul> | <ul style="list-style-type: none"> <li>The amount of time required to complete a project.</li> <li>The height of children.</li> <li>The amount of time it takes to sell shoes.</li> <li>The amount of rain, in inches, that falls in a storm.</li> <li>The square footage of a two-bedroom house.</li> <li>The weight of a truck.</li> <li>The speed of cars.</li> <li>Time to wake up.</li> </ul> | <br><br> |