LEVELS OF MEASUREMENT

AT THE OLYMPICS

For each variable, determine if it is best classified as nominal, ordinal, interval, or ratio. Place a checkmark in the appropriate column of the table below.

VARIABLE	N NOMINAL	O ORDINAL	I INTERVAL	R RATIO
Year of the Olympic Games (2000, 2004, 2008, etc.)				
Type of Olympic Medal (gold, silver, bronze)				
Type of Sport (swimming, gymnastics, track, basketball, etc.)				
Time to Finish a Race (measured in seconds)				
Country Represented by an Athlete (USA, Japan, Brazil, etc.)				
Rank Order of Teams in the Medal Table (1st, 2nd, 3rd…)				
Scores Given by Judges in Gymnastics (e.g., 8.5, 9.2, 9.8)				
Number of Medals Won by a Country				

LEVELS OF MEASUREMENT

AT THE MOVIES

For each variable, determine if it is best classified as nominal, ordinal, interval, or ratio. Place a checkmark in the appropriate column of the table below.

VARIABLE	N NOMINAL	O ORDINAL	I INTERVAL	R RATIO
Movie Genre (action, comedy, drama, horror, etc.)				
Running Time of a Movie in Minutes (e.g., 120 minutes, 95 minutes)				
Release Year of a Movie (e.g., 1995, 2003, 2020)				
Ranking of Favorite Movies (1st favorite, 2nd favorite, 3rd favorite…)				
MPAA Rating (G, PG, PG-13, R)				
Box Office Earnings (in dollars)				
IMDb Star Rating (1 to 10 stars)				
Language of the Movie (English, Spanish, Japanese, etc.)				

LEVELS OF MEASUREMENT

AT THE AQUARIUM

For each variable, determine if it is best classified as nominal, ordinal, interval, or ratio. Place a checkmark in the appropriate column of the table below.

VARIABLE	N NOMINAL	O ORDINAL	I INTERVAL	R RATIO
Ranking of the "Most Popular Exhibit" (1st place, 2nd place, …)				
Length of a Fish (in Centimeters)				
Water Temperature in the Tank (°F)				
Type of Fish in the Tank (clownfish, angelfish, goldfish, guppy, etc.)				
Tank Location in the Aquarium (Entrance, North Wing, etc.)				
Number of Fish in a Tank				
Customer Satisfaction Rating of an Exhibit (1 to 5 stars)				
Year the Aquarium Opened (1990, 2005, 2020, etc.)				

LEVELS OF MEASUREMENT

AT THE ZOO

For each variable, determine if it is best classified as nominal, ordinal, interval, or ratio. Place a checkmark in the appropriate column of the table below.

VARIABLE	N NOMINAL	O ORDINAL	I INTERVAL	R RATIO
Number of Animals in an Exhibit				
Section of the Zoo (Reptile House, Aviary, African Savannah, Aquarium, etc.)				
Year an Animal Arrived at the Zoo (1998, 2005, 2019, etc.)				
Weight of an Animal (in Kilograms)				
Type of Animal (lion, penguin, giraffe, panda, etc.)				
Visitor Ranking of Favorite Animal Exhibit (1st place, 2nd place, 3rd place...)				
Daily Feeding Schedule Times (10:00 AM, 1:00 PM, 4:00 PM)				
Zoo Membership Level (Basic, Family, Premium, VIP)				

LEVELS OF MEASUREMENT

AT THE THEME PARK

For each variable, determine if it is best classified as nominal, ordinal, interval, or ratio. Place a checkmark in the appropriate column of the table below.

VARIABLE	N NOMINAL	O ORDINAL	I INTERVAL	R RATIO
Opening Year of a Ride (2002, 2010, 2021, etc.)				
Number of Visitors in the Park on a Given Day				
Height of a Roller Coaster (in Feet)				
Section of the Park (Fantasy Land, Water World, etc.)				
Wait Time for a Ride (minutes)				
Type of Ride (roller coaster, Ferris wheel, bumper cars, etc.)				
Ticket Type Purchased (Child, Adult, Senior)				
Visitors' Rank of Favorite Rides (1st, 2nd, 3rd…)				