Brilliance Tuition Centre, Redbank Plains
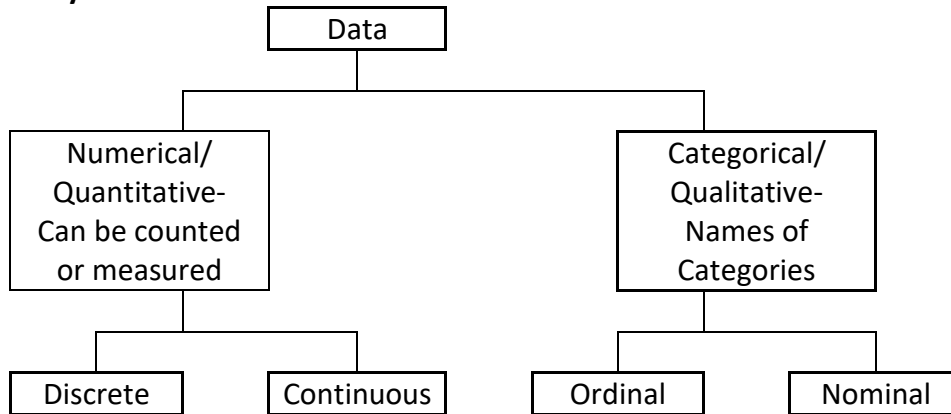
Classify the following data:
(Categorical Ordinal, Categorical Nominal, Numerical Discrete or Numerical Continuous)

1	Number of boys in a classroom	
2	Dog breeds	
3	Places taken by players in a running race	
4	Lengths of hands of a group of men	
5	Job Hierarchy	
6	Height of students in a primary school	
7	Lengths of shadows of a group of people.	
8	Hair color of a boy	
9	Distance covered by different postmen in a day	
10	Exam grades- A, B, C, etc.	
11	Number of blue balls in a pack of 100 multicolored balls	
12	Number of workers in a factory	
13	Weight of a Dinosaur	
14	Number of red shirts in a shop	
15	Number of yellow cars in a carpark.	

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MATHS WORKSHEETS- DATA- TYPES OF DATA

Answer Key:

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                              ┌──────────┐
                              │   Data   │
                              └──────────┘
              ┌────────────────────┴────────────────────┐
    ┌──────────────────┐                      ┌──────────────────┐
    │  Numerical/       │                      │  Categorical/     │
    │  Quantitative-    │                      │  Qualitative-     │
    │  Can be counted   │                      │  Names of         │
    │  or measured      │                      │  Categories       │
    └──────────────────┘                      └──────────────────┘
         ┌────────┴────────┐                      ┌────────┴────────┐
    ┌──────────┐   ┌──────────────┐        ┌──────────┐   ┌──────────┐
    │ Discrete │   │  Continuous  │        │ Ordinal  │   │ Nominal  │
    └──────────┘   └──────────────┘        └──────────┘   └──────────┘
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Categorical Ordinal Data: (Implied order)	**Categorical Nominal Data: (Named Categories)**
• Job Hierarchy- Manager, Assistant Manger • Results in a race- First, Second, Third • Rating Scale – 1 to 5	• Name of the Person • Name of your School • Hair color, Eye color • Breed of Dog, Cat • Color of your phone, Phone categories • Lunch items • Gender- Male/Female • Smoker/Non-smoker • Marital status, Nationality • Region, Religion, Occupation, Gender
Numerical Discrete: (Only particular number)	**Numerical Continuous: (Any numeric value)**
• Age of a person, Shoe size • Number of languages you can speak • Number of pages in a book • Number of visits to doctor • Number of trees in your backyard • Number of books in a library shelf • Number of students in a class • Number of dogs in a park • Money you have in your wallet • Number of customers in a restaurant • Number of workers in a factory • Number of petals on a flower • Number of questions asked in an exam • University Marks – 0 to 100% • Number of candidates in an election • The results of rolling 2 dice • Number of complaints received • Number of damages during transportation	• Height- Height of students in a school • Depth in cm • Weight - Weight of a truck, bus, jeep • Weight of a dog, elephant, etc. • Area • Age of students in a school • Distance • Time- Time takes to run a race • Length- Length of a leaf, feet of men • Speed of vehicles • Amount of rain that falls • Time needed to finish a work • Time taken to finish a running race

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1	Numerical Discrete
2	Categorical Nominal
3	Categorical Ordinal
4	Numerical Continuous
5	Categorical Ordinal
6	Numerical Continuous
7	Numerical Continuous
8	Categorical Nominal
9	Numerical Continuous
10	Categorical Ordinal
11	Numerical Discrete
12	Numerical Discrete
13	Numerical Continuous
14	Numerical Discrete
15	Numerical Discrete