Dot Plots

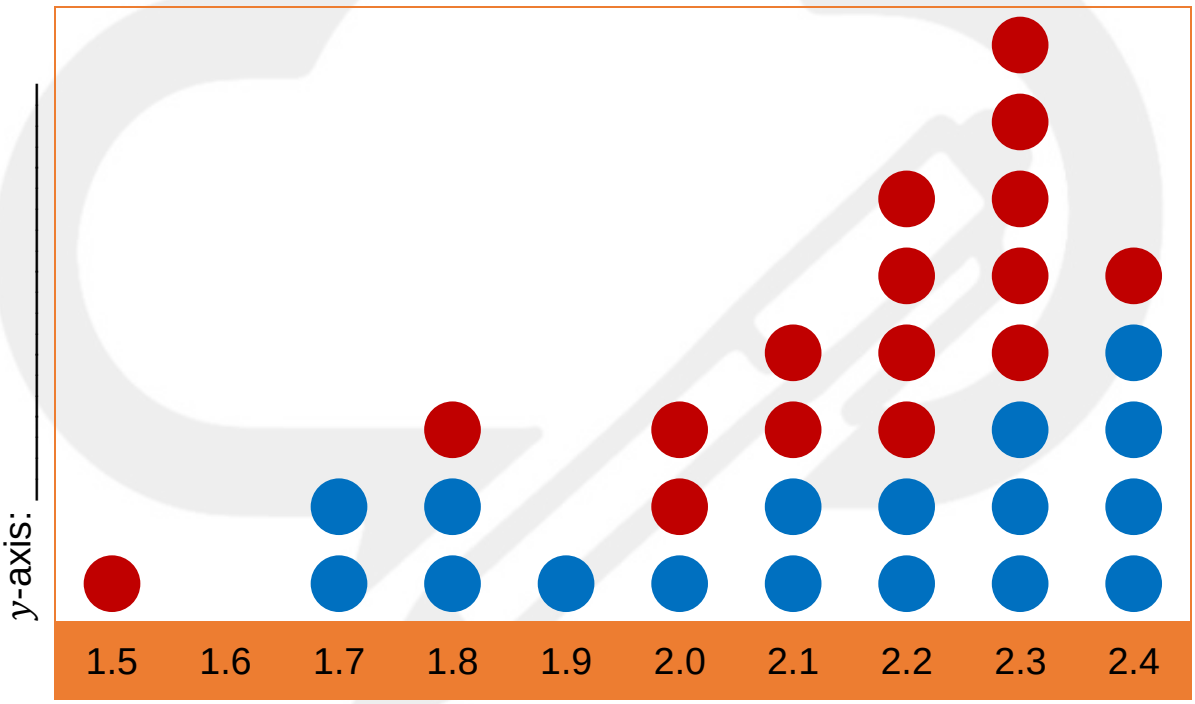
The Swimming Carnival

At the school swimming carnival, many students decided to compete in the 100-metre race.

In the dot plot below,

- Name the graph and the axes
- *Note: Blue dots represent boys and red dots represent girls. Time for race completion is shown in minutes.*

Title: _____



x-axis: _____

Questions

1. How many students competed in the race?	
2. How many boys finished within 1.8 and 2.3 minutes?	
3. How many girls finished within 1.7 and 2.3 minutes?	
4. What fraction of boys finished in under 2 minutes?	
5. What percentage of girls finished in under 2.1 minutes?	

6. What kind of information does this type of graph tell you?

_____

7. The following students were disqualified from the race.

Female (1.8)
Male (1.9)
Female (2.1)
Male (2.2)
Male (2.2)
Female (2.3)
Male (2.4)

What fraction of the remaining students finished in under 2.1 minutes?

8. What is the average score across the top five female participants? Use long division with decimals to show your answer.

8. What is the average score across the top five male participants? Use long division with decimals to show your answer.

10. Were boys or girls generally faster in the race?

_____

Dot Plots

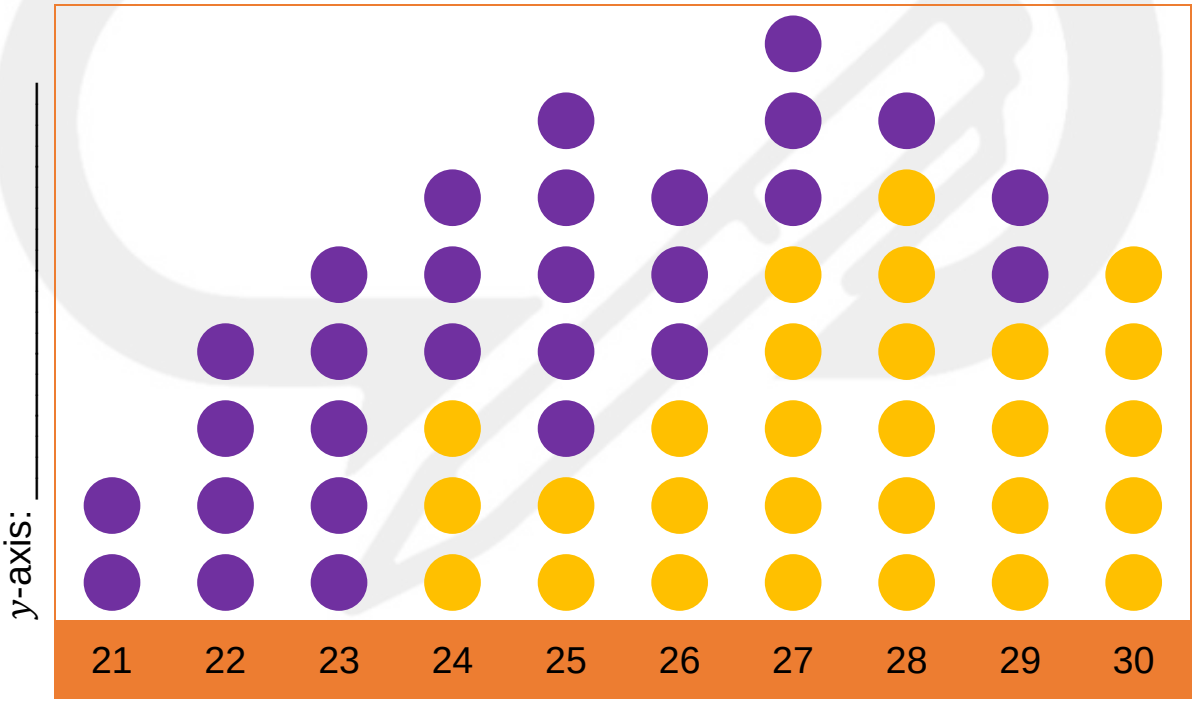
A Hot, Humid Holiday!

In the distant ocean to the East lies the most popular holiday location – Misty Island! Every year, Misty Island attracts tens of thousands of tourists to its white sandy shores and tropical climate. Temperatures on the island are known to follow a predictable pattern.

In the dot plot below,

- Name the graph and the axes
- *Note: Yellow dots represent temperatures taken at 6am and purple dots represent temperatures taken at 6pm on the same day. Temperatures are shown in degrees Celsius.*

Title: _____



y-axis: _____

x-axis: _____

Questions

1. On how many days was temperature recorded?	
2. If temperature was recorded over a month, what month is it? _____	
3. How many mornings were 26°C or above?	
4. How many nights were below 24°C?	
5. Discuss the relationship between temperature and time of day as shown in the dot plot. _____ _____	
6. What percentage of all morning temperatures are between 26°C and 28°C?	
7. What fraction of night temperatures are between 26°C and 28°C?	
8. If temperatures at noon time can be found by calculating the average between morning and night temperatures of a given day, find the noon time temperatures for the days below. Day 1: 24°C (6am), 21°C (6pm) Temperature at noon time: _____ Day 2: 30°C (6am), 25°C (6pm) Temperature at noon time: _____ Day 3: 27°C (6am), 26°C (6pm) Temperature at noon time: _____ Day 4: 26°C (6am), 23°C (6pm) Temperature at noon time: _____ Day 5: 29°C (6am), 25°C (6pm) Temperature at noon time: _____	