Name_____ Date_____
Teacher_____

<center>6th Grade Math (Statistics) Enrichment #2 (Lesson 27-2)</center>

Ready:

1.   Construct a bar chart for the following information. There are 20 students in Mrs. Smith's class, 30 students in Mr. Yu's class, and 40 students in Ms. York's class.

2.   Construct a relative frequency chart and percent bar graph for the eye color of all student's in Marshall's class. Identify the mode (most frequent) for the eye color distribution of the class.

Eye Color	Female	Count	Fraction	Percent
	Blue	13		
	Brown	15		
	Hazel	7		
	Total	35		

3.   Create a dot plot of the daily high temperatures over the last 15 days represented in the table.

86	90	88	96	90
88	90	92	94	90
90	90	100	92	98

Set:

4.   In art class, Marvin painted tiles to use for a project. For every 5 tiles he painted blue, he painted 8 tiles green. Identify the equivalent ratio(s) of blue tiles to green tiles and explain in words or mathematics how you know that they are equivalent.

      (a) 20:23
      (b) 40:25
      (c) 50:800
      (d) 60:96

5.   Are $4(3x - y)$ and $12x - 4y$ equivalent expressions? Explain how you know.

Go:

6.   Dennis, a fantasy football fan, carefully studied the number of touchdowns completed by his favorite players last season.

Football touchdowns scored last season

0 1 1 1 1 1 1 1 1 2 2 3 3 3 3 3 3 4 4 4 4 4 4 4
4 4 4 5 5 5 5 5

Create a dot plot that displays the number of touchdowns scored last season.

7.   Mario decided to record the temperature every morning when he woke up. Use the data to complete a relative frequency chart.

Daily temperatures (°C)

1 4 4 7 8 9 9 13 13 13 13 14 14 15 17 18 20 21 26 26 27
27 27 28