

Name \_\_\_\_\_  
Teacher \_\_\_\_\_

Date \_\_\_\_\_

6th Grade Math (Statistics) Enrichment #1 (Lesson 27-1)

**Ready:**

Suppose you just watched a basketball game between the Knights and the Tornadoes.

1. Create a question about the game that is NOT a statistical question.
2. Create a question about the game that is a statistical question.
3. (a) Create a question about the game that will have a distribution with low variability.  
(b) Create a question about the game that will have a distribution with high variability.

**Set:**

4. Julie is writing a report about rainbows and needs to gather data from her classmates. Which of the following is a statistical question Julie could ask her classmates?
  - (a) What are the colors of the rainbow?
  - (b) When was the first rainbow seen?
  - (c) Is there really a pot of gold at the end of the rainbow?
  - (d) How many rainbows have you seen this month?
5. Explain the difference between a statistical question and a non-statistical question using the example above.
6. Show your work.
  - (a) Divide.  $16,356 \div 24$
  - (b) Divide.  $35,702 \div 25$
  - (c) Subtract.  $48.235 - 29.67$
  - (d) Multiply.  $1.2 \cdot 2.18$

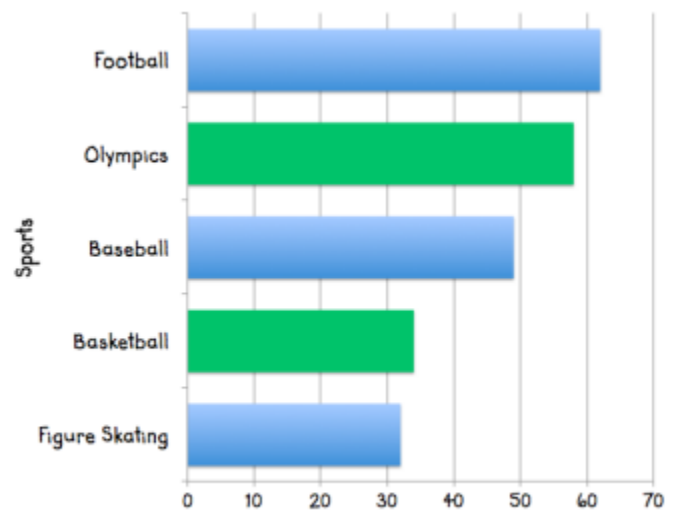
**Go:**

6. Look at the graphical display and write a question that COULD have been asked to collect the specific data.

(a) Question: \_\_\_\_\_

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(b) Question: \_\_\_\_\_

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