

Answer Key

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.
What was the final score of the game?
2. Create a question about the game that is a statistical question.
What was the most exciting point of the game?
3. (a) Create a question about the game that will have a distribution with low variability.
Who played better, the Knights or the Tornadoes?
(b) Create a question about the game that will have a distribution with high variability.
How many baskets did each player make?

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. *The questions from a, b, c have a single response but for Question (d) there are multiple, varied responses.*

6. Show your work.

(a) Divide. $16,356 \div 24$

$$\begin{array}{r} 681.5 \\ 24 \overline{) 16356} \\ \underline{144} \\ 195 \\ \underline{192} \\ 36 \\ \underline{36} \\ 0 \end{array}$$

681.5

(b) Divide. $35,702 \div 25$

$$\begin{array}{r} 1428.08 \\ 25 \overline{) 35702} \\ \underline{25} \\ 107 \\ \underline{100} \\ 70 \\ \underline{75} \\ 52 \\ \underline{50} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

1428.08

(c) Subtract. $48.235 - 29.67$

$$\begin{array}{r} 48.235 \\ 29.67 \\ \hline 18.565 \end{array}$$

18.565

(d) Multiply. $1.2 \cdot 2.18$

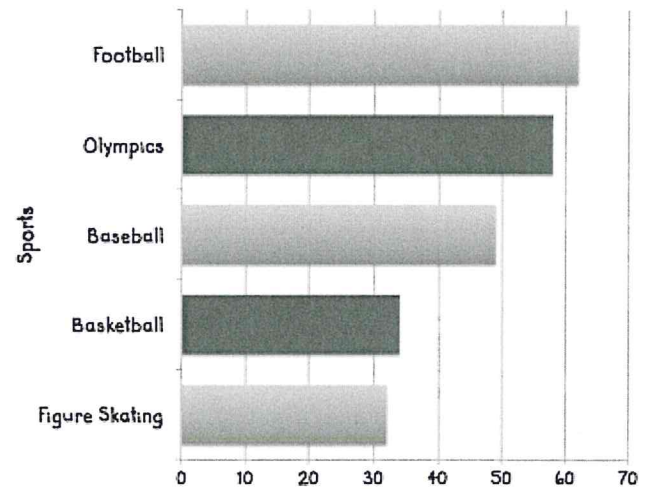
$$\begin{array}{r} 1.2 \\ 2.18 \\ \hline 96 \\ 120 \\ \hline 2400 \\ 2616 \end{array}$$

2.616

Go:

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

(a) Question: What is your
favorite sport to watch
on television?



(b) Question: To a whole class:
"What was your score on
the final exam?"

