8-2 Word Problems and Classifying Answers

NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Guiding Questions:

1.

2.

3.

4.

After answering each question classifying the numerical answer as real, rational, irrational, integer, whole, and or natural circle all that apply

1. In Nancy's desk drawer there are 10 yellow highlighters. There are 5 more pink highlighters than yellow highlighters, and there are 4 more blue highlighters than pink highlighters. How many highlighters are in Nancy's desk drawer in all?

Answer: real, rational, irrational, integer, whole, natural

1. David had $38.30 to spend at the toy store. He bought 5 toy cars that cost $2.40 each and a race track that cost $7.15. How much money does David have left to buy more toys?

Answer: real, rational, irrational, integer, whole, natural

1. Marcus has 5 horses on his 220 acre farm in Nebraska. He wants to create a round pen that is 6 feet tall and has a diameter of 20 feet. What is the exact circumference of the round pen he plans to create in terms of pi?

Answer: real, rational, irrational, integer, whole, natural

1. **Mt. Everest, the highest elevation in Asia, is 29,028 feet above sea level. The Dead Sea, the lowest elevation, is 1,312 feet below sea level. What is the difference between these two elevations?**

Answer: real, rational, irrational, integer, whole, natural

1. On December 13, 2013 in Buffalo, New York, at 7:20 a.m., the temperature was -14$℉$. If the temperature dropped 7$℉$ in 3 hours, what was the temperature at 10:20 a.m.?

Answer: real, rational, irrational, integer, whole, natural

1. Ryan bought 24 drinks for his class, some were Pepsi, some were water and some were Dr. Pepper.

 $^{1}/\_{3}$ of the drinks were Pepsi and $^{1}/\_{4}$ of the remaining drinks were waters. If sodas cost $1.23 each how much did Ryan spend on just the sodas?

Answer: real, rational, irrational, integer, whole, natural

1. Mrs. Finnegan is creating a bulletin board for her room and wants to order a boarder. If the board is 6 feet long and 8 feet wide and the boarders come in packs that total 12 feet, what is the least amount of packs that she can order to complete her bulletin board?

Answer: real, rational, irrational, integer, whole, natural