

Writing Inequalities

You must earn 6 points!

Write the word sentence as an inequality.

1

point

1. 2 is more than a number v .
2. A number h is at most 15.
3. A number p is less than $\frac{1}{2}$.
4. 12 is fewer than a number n .
5. $\frac{3}{5}$ is no less than a number a .
6. 6 plus a number x is at least 12.

Solve the word problem.

7. A USB flash drive costs \$16. You have \$50.
 - a. Write an inequality to represent the number of USB flash drives you can buy.
 - b. Can you buy 4 USB flash drives? Explain.

2

points

8. A produce box can hold no more than 25 pounds of potatoes.
 - a. Write an inequality to represent this situation.
 - b. Is 9.8 a solution of the inequality?
9. You must be at least 48 inches tall to go on the Scrambler at an amusement park. You must be at most 48 inches tall to go on the Busy Boats at the park.
 - a. Write an inequality that represents the height you must be for each of the rides.
 - b. You are allowed to ride both rides. What is your height?
10. A highway passes under a road. The clearance height is 7.75 feet. Write an inequality that represents the height of a vehicle that can travel on the highway.

Reflecting Back

You must complete ALL 6 problems!

- 1. Multiply. Write the answer in simplest form.**

$$2\frac{4}{6} \cdot 1\frac{1}{4}$$

- 2. Divide. Write the answer in simplest form.**

$$\frac{7}{9} \div \frac{5}{6}$$

- 3. Multiply.**

$$67.8 \times 0.45$$

- 4. Evaluate the expression when $z = 8$**

$$5z$$

- 5. Use the Distributive Property to simplify the expression.**

$$7(y + 6)$$

- 6. Evaluate the expression.**

$$(6 + 23) \times (32 - 25) + 7^2$$