

Lesson 9 Practice Problems

1.	a. Select all numbers that are solutions to the inequality $k>5$.						
	4	5	6	5.2	5.01	0.5	
	b. Draw a number line to represent this inequality.						
2. A	sign on the	road says: "Sp	peed limit, 60) miles per hou	r."		
	a. Let $\it s$ be the speed of a car. Write an inequality that matches the information on the sign.						
	b. Draw a number line to represent the solutions to the inequality.						
	c. Could 6	0 be a value o	f <i>s</i> ? Explain y	our reasoning.			
	-	oston, MA, the ture was 52 de		rature was 60 c	degrees Fahrei	nheit, and the	
		ne or more ine n and low tem	•	describe the te that day.	mperatures T	that are betwe	een
	b. Show th	ne possible ter	mperatures o	on a number lin	e.		



4. Select **all** the true statements.

A.
$$-5 < |-5|$$

B.
$$|-6| < -5$$

C.
$$|-6| < 3$$

D.
$$4 < |-7|$$

(From Unit 7, Lesson 7.)

5. Match each equation to its solution.

a.
$$x^4 = 81$$

b.
$$x^2 = 100$$

c.
$$x^3 = 64$$

d.
$$x^5 = 32$$

(From Unit 6, Lesson 15.)

- 6. a. The price of a cell phone is usually \$250. Elena's mom buys one of these cell phones for \$150. What percentage of the usual price did she pay?
 - b. Elena's dad buys another type of cell phone that also usually sells for \$250. He pays 75% of the usual price. How much did he pay?

(From Unit 3, Lesson 14.)