Name   Date

INEQUALITIES FROM WORD PROBLEMS A2

WORD PROBLEM		INEQUALITY
1)	*Water will freeze when the temperature is at or below 32°F.* *Write an inequality using the variable **w** to show the temperature at which water will freeze.*	
2)	In a throwing contest, Frazer throws the ball more than 20 yards. Newton throws twice as far as Frazer. *Write an inequality using the variable **n** to show how far Newton throws the ball.*	
3)	Quadra spends at least 30% of her salary on rent. *Write an inequality using the variable **i** to show the percentage of her salary which is left.*	
4)	Frazer has a 1-liter bottle of water. He drinks less than ¼ of the bottle. *Write an inequality involving the variable **b** to show how many milliliters are left in the bottle.*	
5)	Kit takes his dog for a walk each day. He always walks at least 2 miles. *Write an inequality involving the variable **d** to show how far he walks his dog in a week.*	
6)	Newton goes shopping in Walmart with $120. He comes out of the store with less than $30 left. *Write an inequality involving the variable **m** to show how much money he spent at Walmart.*	
7)	The world record for high jump is 2.45 meters. 'Kangaroo' Kenny thinks he can beat this. *Write an inequality involving the variable **h** to show how many cm Kenny needs to jump to break the record.*	
8)	A book has 10 chapters. The shortest chapter is 17 pages. *Write an inequality involving the variable **p** to show how many pages the book has.*	
9)	Captain is driving along a road with a 50 mph speed limit. He makes sure he is driving at or below the limit. *Write an inequality involving the variable **d** to show how far he will have traveled in 3 hours.*	

INEQUALITIES FROM WORD PROBLEMS A2 ANSWERS

WORD PROBLEM		INEQUALITY
1)	*Water will freeze when the temperature is at or below 32°F.* *Write an inequality using the variable **w** to show the temperature at which water will freeze.*	w ≤ 32°F
2)	In a throwing contest, Frazer throws the ball more than 20 yards. Newton throws twice as far as Frazer. *Write an inequality using the variable **n** to show how far Newton throws the ball.*	n > 40 yards
3)	Quadra spends at least 30% of her salary on rent. *Write an inequality using the variable **i** to show the percentage of her salary which is left.*	i ≤ 70%
4)	Frazer has a 1-liter bottle of water. He drinks less than ¼ of the bottle. *Write an inequality involving the variable **b** to show how many milliliters are left in the bottle.*	b > 750 ml
5)	Kit takes his dog for a walk each day. He always walks at least 2 miles. *Write an inequality involving the variable **d** to show how far he walks his dog in a week.*	d ≥ 14 miles
6)	Newton goes shopping in Walmart with $120. He comes out of the store with less than $30 left. *Write an inequality involving the variable **m** to show how much money he spent at Walmart.*	m > $90
7)	The world record for high jump is 2.45 meters. 'Kangaroo' Kenny thinks he can beat this. *Write an inequality involving the variable **h** to show how many cm Kenny needs to jump to break the record.*	h > 245 cm
8)	A book has 10 chapters. The shortest chapter is 17 pages. *Write an inequality involving the variable **p** to show how many pages the book has.*	p > 170 pages
9)	Captain is driving along a road with a 50 mph speed limit. He makes sure he is driving at or below the limit. *Write an inequality involving the variable **d** to show how far he will have traveled in 3 hours.*	d ≤ 150 miles