Math Algebra Linear inequalities Easy						
#1	ID: cfe67646	#3	ID: 2c121b25			
The point (8, 2) in the <i>xy</i> -pla which of the following system A) $x > 0$ y > 0 B) $x > 0$ y < 0 C) $x < 0$ y > 0 D) $x < 0$ y < 0	ne is a solution to ms of inequalities?	Valentina bought two first container 30% of the second container Together, the container beads. Which ineque where x is the total of container and y is the the second container A) $0.3x + 0.7y \ge 400$ B) $0.7x + 0.3y \le 400$ C) $\frac{x}{3} + \frac{y}{7} \le 400$ D) $30x + 70y \ge 400$	o containers of beads. In the of the beads are red, and in er 70% of the beads are red. ners have at least 400 red lality shows this relationship, number of beads in the first ne total number of beads in er?			
#2	ID: 842cec4d	#4	ID: c50ede6d			

During a portion of a flight, a small airplane's cruising speed varied between 150 miles per hour and 170 miles per hour. Which inequality best represents this situation, where *s* is the cruising speed, in miles per hour, during this portion of the flight?

- A) $s \le 20$
- B) $s \le 150$
- **C)** $s \le 170$
- D) $150 \le s \le 170$

The total cost, in dollars, to rent a surfboard consists of a \$25 service fee and a \$10 per hour rental fee. A person rents a surfboard for *t* hours and intends to spend a maximum of \$75to rent the surfboard. Which inequality represents this situation?

- A) $10t \le 75$
- B) $10 + 25t \le 75$
- C) $25t \le 75$
- D) $25 + 10t \le 75$

#5

ID: ee439cff

On a car trip, Rhett and Jessica each drove for part of the trip, and the total distance they drove was under 220 miles. Rhett drove at an average speed of 35 miles per hour (mph), and Jessica drove at an average speed of 40 mph. Which of the following inequalities represents this situation, where r is the number of hours Rhett drove and j is the number of hours Jessica drove?

- A) 35r + 40j > 220
- B) 35r + 40j < 220
- C) 40r + 35j > 220
- D) 40r + 35j < 220

#6

ID: 563407e5

A bakery sells trays of cookies. Each tray contains at least 50 cookies but no more than 60. Which of the following could be the total number of cookies on 4 trays of cookies?

- A) 165
- B) 205
- C) 245
- D) 285

#7

ID: 68f2cbaf

Ty set a goal to walk at least 24 kilometers every day to prepare for a multiday hike. On a certain day, Ty plans to walk at an average speed of 4 kilometers per hour. What is the minimum number of hours Ty must walk on that day to fulfill the daily goal?

A) 4

- **B**) 6
- **C)** 20
- **D)** 24

#8

ID: df32b09c

Tom scored 85, 78, and 98 on his first three exams in history class. Solving which inequality gives the score, G, on Tom's fourth exam that will result in a mean score on all four exams of at least 90 ?

- A) $90 (85 + 78 + 98) \le 4G$
- B) $4G + 85 + 78 + 98 \ge 360$
- C) $\frac{(G+85+78+98)}{4} \ge 90$
- D) $\frac{(85+78+98)}{4} \ge 90-4G$

Math Algebra L	inear inequalities
#9 ID: 86f7483f	#11
During spring migration, a dragonfly traveled a minimum of 1,510 miles and a maximum of 4,130 miles between stopover locations. Which inequality represents this situation, where <i>d</i> is a possible distance, in miles, this dragonfly traveled between stopover locations during spring migration? A) $d \le 1,510$ B) $1,510 \le d \le 4,130$ C) $d \ge 4,130$	A geologis of lava fro already co what is the samples th A) 130 B) 63 C) 4 D) 0
D) $4,130 \le d \le 5,640$	

#10

ID: 72a5fd28

For a party, 50 dinner rolls are needed. Dinner rolls are sold in packages of 12. What is the minimum number of packages that should be bought for the party?

ID: e006209c

A geologist needs to collect at least 67 samples of lava from a volcano. If the geologist has already collected 63 samples from the volcano, what is the minimum number of additional samples the geologist needs to collect?

I Easy

Math Algebra Linear inequalities Easy						
#12	9: 59a49431	#13	ID: 915463e0			
		Normal body ter between 97. Kevin, an adult that is considered following could I A) 96.7°F B) 97.6°F C) 97.9°F D) 99.7°F	mperature for an adult is 8°F and 99°F, inclusive. If male, has a body temperature ed to be normal, which of the be his body temperature?			
The shaded region shown represents s to an inequality. Which ordered pair $(x,$	y) is a	#14	ID: 89541f9b			
solution to this inequality? A) (0,-4) B) (0,4)		Which of the following ordered pairs (x, y) satisfies the inequality $5x - 3y < 4$?				
C) (-4,0)		$_{1.}$ (1, 1)				
D) (4,0)		3. (3, 2)				
		A) I only				
		B) II only				
		C) I and II only				
		D) I and III only	ý			





Math | Algebra | Linear inequalities | Easy

#17

ID: e744499e

An elementary school teacher is ordering x workbooks and y sets of flash cards for a math class. The teacher must order at least 20 items, but the total cost of the order must not be over \$80. If the workbooks cost \$3 each and the flash cards cost \$4 per set, which of the following systems of inequalities models this situation?

A)

$$x + y \ge 20$$

$$3x + 4y \le 80$$
B)

$$x + y \ge 20$$

$$3x + 4y \ge 80$$
C)

$$3x + 4y \le 20$$

$$x + y \ge 80$$
D)

$$x + y \le 20$$

$$3x + 4y \ge 80$$

#18

ID: b75f7812

Maria plans to rent a boat. The boat rental costs \$60 per hour, and she will also have to pay for a water safety course that costs \$10. Maria wants to spend no more than \$280 for the rental and the course. If the boat rental is available only for a whole number of hours, what is the maximum number of hours for which Maria can rent the boat?

#	1	9
	-	-

ID: b64e2c7f

Monarch butterflies can fly only with a body temperature of at least

55.0 degrees Fahrenheit (°F). If a monarch butterfly's body temperature is 51.3°F, what is the minimum increase needed in its body temperature, in °F, so that it can fly?

A) 1.3

- **B)** 3.7
- C) 5.0
- D) 6.3

#20

ID: 7d6928bd

A cleaning service that cleans both offices and homes can clean at most 14 places per day. Which inequality represents this situation, where f is the number of offices and h is the number of homes?

- A) $f + h \le 14$
- B) $f+h \ge 14$
- C) $f h \le 14$
- D) $f h \ge 14$