1. Which property of real numbers is illustrated by the equation?

$$(x + 7) + 0 = x + 7$$

A. Commutative Property
B. Associative Property
C. Identity Property of Addition
D. Distributive Property

2. Three quarters, two dimes, and five nickels are placed in a bag. What is the probability that a coin chosen at random is a dime?

A. $\frac{1}{2}$
B. $\frac{1}{3}$
C. $\frac{1}{4}$
D. $\frac{1}{5}$

3. The owner of Pat's Pizza Palace has kept a record of the number of pineapple pizzas sold each year. The record is shown in the graph. If this pattern continues, how many pineapple pizzas would be sold in Year 8?

Pat's Pizza Palace

Year	Number Sold
1	1200
2	1100
3	1025
4	950
5	850

A. 600
B. 650
C. 700
D. 750

4. The store "Videos to Go" charges $4 for two day rental of a video and charges $9 for a five day rental of a video. What is the difference in the per day rental charge?

A. $5.00 per day
B. $2.00 per day
C. $1.00 per day
D. $0.20 per day

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$$4|n| < 24$$

$$|n| < 6$$

$n > -6 \mid n < 6$

$-6 \quad 6$

$|n| = 6$

$n = -6 \mid n = 6$

0

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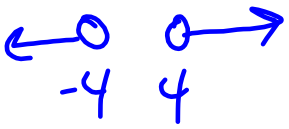
$|n| + 4 > 8$

$-4 \quad -4$

$|n| > 4$

$n < -4 \quad n > 4$



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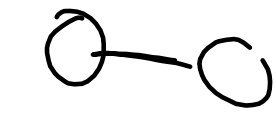
$\frac{|v|}{4} < 3 \quad | \cdot 4$

$|v| < 12$

$v > -12 \quad v < 12$



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$$-3 + |n| > -2$$

+3 +3

$|n| \not< 1$

$n < -1 \quad n > 1$

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$$|m - 3| \geq 4$$

$m - 3 \geq 4$ $\quad$ $m - 3 \leq -4$

+3 +3 $\quad$ +3 +3

$m \not< 7$ $\quad$ $m \not> -1$

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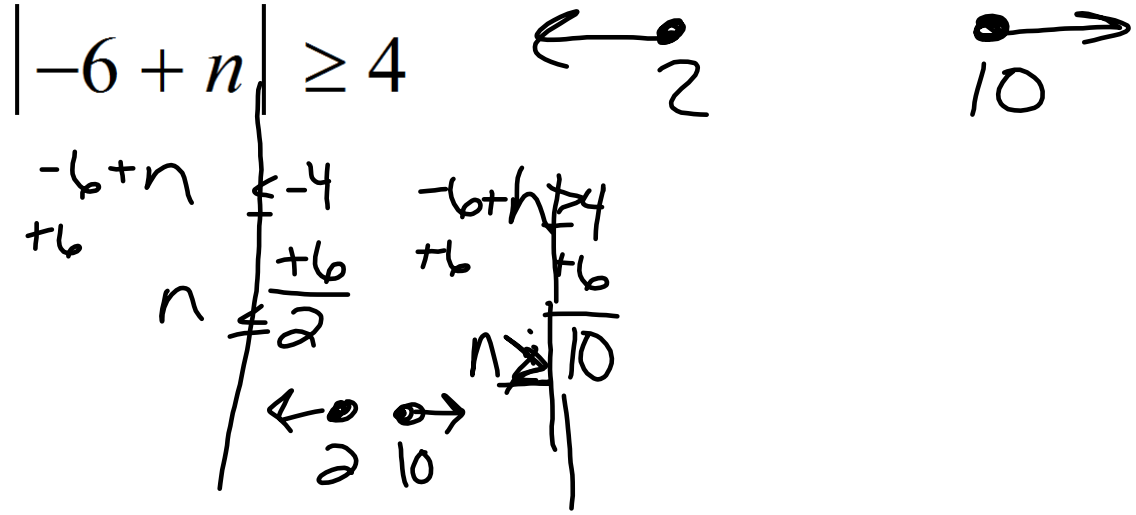
$|-6+n| \geq 4$

$-6+n \leq -4$ $+6$ $+6$

$n \leq 2$

$-6+n \geq 4$ $+6$ $+6$

$n \geq 10$



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$1 - 5|b| \geq -14$

-1 -1

$-5|b| \geq -15$

$\div -5$ $\div -5$

$|b| \leq 3$

$b \geq -3$ $b \leq 3$

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$$5|x| - 1 < 9$$

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$$2 + 2|n| > 10$$

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$|-k+2| \geq 7$

$-k+2 \leq -7$ | $-k+2 \geq 7$

$-2 \quad -2$ | $-2 \quad -2$

$-k \leq -9$ | $-k \geq 5$

$\div -1 \quad \div -1$ | $\div -1 \quad \div -1$

$k \geq 9$ | $k \leq -5$

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3. $\dfrac{|2+3k|}{3} < 2 \cdot 3$

$|2+3k| < 6$

$2+3k < 6$ | $2+3k > -6$

$-2 \quad -2$ | $-2 \quad -2$

$3k < 4$ | $3k > -8$

$\div 3 \quad \div 3$ | $\div 3 \quad \div 3$

$k < 1\frac{1}{3}$ | $k > -2\frac{2}{3}$

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$$|5-3m|-1\geq 6$$

$+1 \quad +1$

$|5-3m| \geq 7$

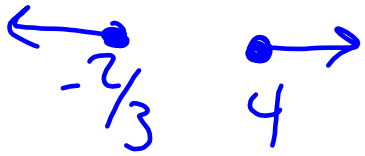
$5-3m \leq -7$ | $5-3m \geq 7$

$-5 \quad -5$ | $-5 \quad -5$

$-3m \leq -12$ | $-3m \geq 2$

$\frac{-3m}{-3} \leq \frac{-12}{-3}$ | $\frac{-3m}{-3} \geq \frac{2}{-3}$

$m \geq 4$ | $m \leq -\frac{2}{3}$



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$$\frac{|2k+3|}{3} \geq 1 \quad \cdot 3 \quad \cdot 3$$

$|2k+3| \geq 3$

$2k+3 \leq -3$ | $2k+3 \geq 3$

$-3 \quad -3$ | $-3 \quad -3$

$2k \leq -6$ | $2k \geq 0$

$\frac{2k}{2} \leq \frac{-6}{2}$ | $\frac{2k}{2} \geq \frac{0}{2}$

$k \leq -3$ | $k \geq 0$

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$$3|-6v+1|-3>48$$

+3 +3

$$\frac{3|-6v+1|}{3}>\frac{51}{3}$$

$$|-6v+1|>17$$

$-6v+1<-17$ | $-6v+1>17$

$-1\ -1$ | $-1\ -1$

$\frac{-6v}{-6}<\frac{-18}{-6}$ | $\frac{-6v}{-6}>\frac{16}{-6}$

$v>3$ | $v<-2\frac{2}{3}$

$-2\frac{2}{3}$ $\quad$ 3

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$$-1-5|-4n-1|>-26$$

+1 +1

$$\frac{-5|-4n-1|}{-5}>\frac{-25}{-5}$$

$|-4n-1|<5$

$-4n-1>-5$ | $-4n-1<5$

$+1\ +1$ | $+1\ +1$

$\frac{-4n}{-4}>\frac{-4}{-4}$ | $\frac{-4}{-4}<\frac{6}{-4}$

$n<1$ | $n>-1\frac{1}{2}$

$-1\frac{1}{2}$ $\quad$ 1

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$$5|2+6b|+1 \geq 11$$

$-1 \quad -1$

$$\frac{5|2+6b|}{5} \geq \frac{10}{5}$$

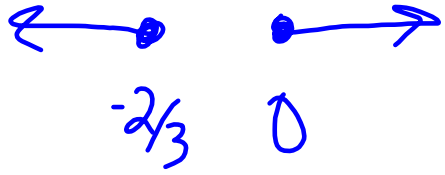
$$|2+6b| \geq 2$$

$2+6b \leq -2 \quad | \quad 2+6b \geq 2$

$-2 \quad -2 \quad | \quad -2 \quad -2$

$$\frac{6b}{6} \leq \frac{-4}{6} \quad | \quad \frac{6b}{6} \geq \frac{0}{6}$$

$b \leq -2/3 \quad | \quad b \geq 0$



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$$\left|\frac{b}{2}\right| \geq 3$$

$2 \cdot \frac{b}{2} \leq -3 \cdot 2 \quad | \quad 2 \cdot \frac{b}{2} \geq 3 \cdot 2$

$b \leq -6 \quad | \quad b \geq 6$

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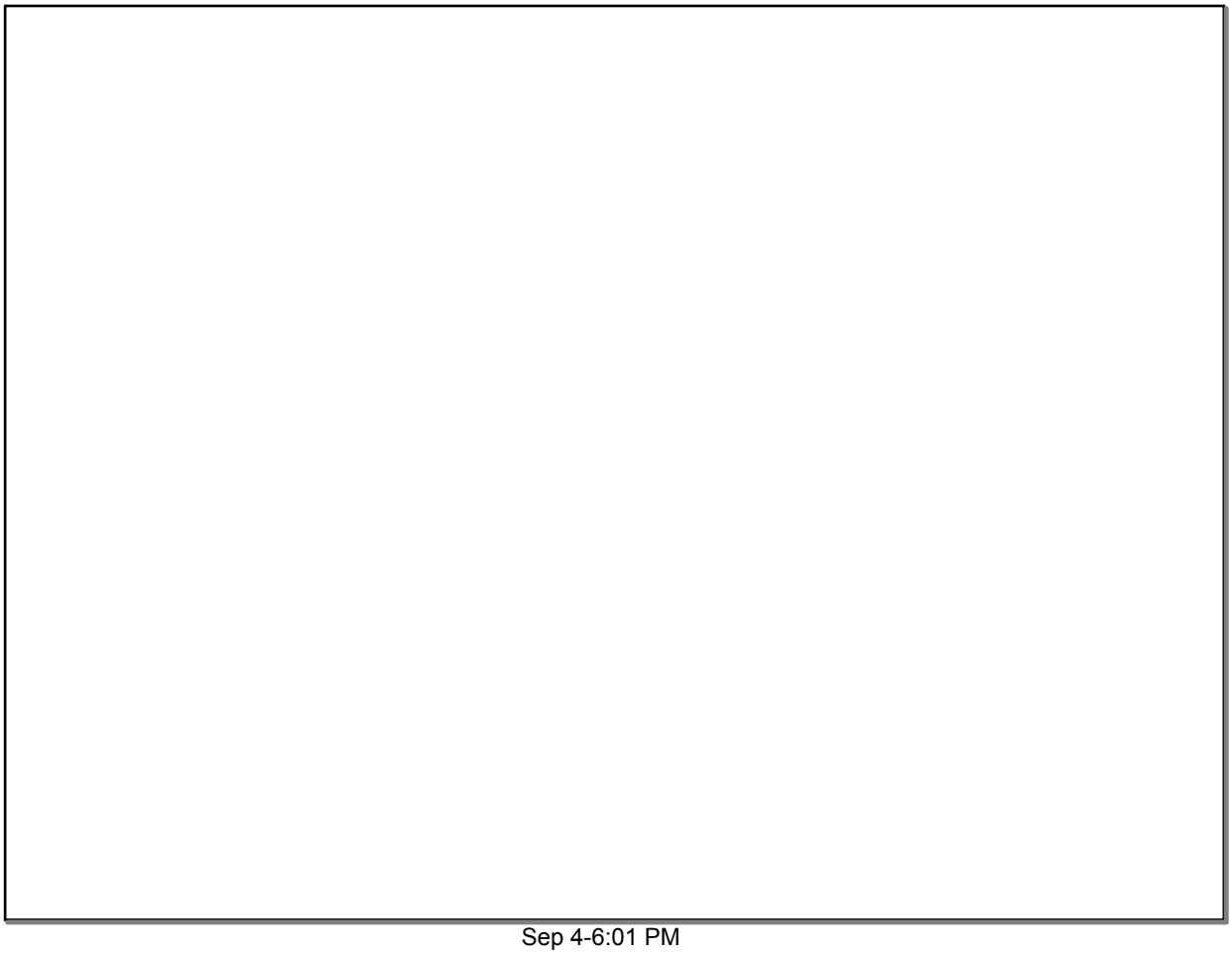

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