Algebra 1 ECA Remediation

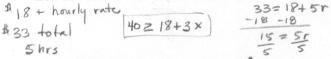
Homework 5.2 /

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- 1) Bill spent \$14 on seven toy cars.
 - A. Write an inequality that can be used unit price to determine the maximum number of toy cars that can purchased with \$9.75.

 \$\frac{\pm}{\pm} 9.75 \geq 2\times \quad \text{cars} \quad \text{bought}\$
 - B. What is the maximum number of toy cars that can be purchased with \$9.75?

- 3) Ming's Bikes rents bikes for \$18 plus an hourly rate. Lea paid \$33 to rent a bike for 5 hours.
 - A. Write an inequality that can be used to determine the number of hours that Lea can rent a bike for if she has \$40.



B. What is the maximum number of 3 = r hours that Lea can rent the bike for if she has \$40?

$$+0 \ge 18 + 3x$$
 -18
 -18
 $\frac{22}{3} \ge \frac{3x}{3}$
 $\frac{3}{3} \ge x$
 $\frac{1}{3} \ge x$

Solve each proportion.

5)
$$\frac{6}{8} = \frac{(7n-14)}{7}$$

$$6(7) = 8(7n-14)$$

$$42 = 56n - 112$$

$$+112 + 112$$

$$154 = 56n$$

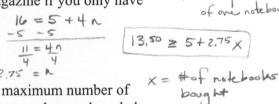
$$56 = 56$$

$$2,75 = n$$

- 2) You purchase 3 boxes of envelopes for \$10.17.

 - B. What is the maximum number of boxes of envelopes that can be purchased with \$25?

 25 = 3.39 ×
 3.39 ×
 envelopes
- 4) You bought a magazine for \$5 and some 4 notebooks for \$16.
 - A. Write an inequality that can be used to determine the maximum number of notebooks that can be purchased along with one magazine if you only have \$13.50.



one 5 magazini

B. What is the maximum number of notebooks that can be purchased along with one \$5 magazine, if you only have \$13.50?

$$6) \frac{(x-6)}{9} = \frac{4}{2}$$

$$2(x-6) = 9(4)$$

$$2x-12 = 36$$

$$+12 +12$$

$$2n = 48$$

$$2 = 24$$