Name: _____   Date: _____

Proportion and Unit Rate Word Problems

1. The school office ordered 24 boxes of pens. Their total cost was $191.52.
   What was the cost of 1 box of pens?

   A. $7.02   B. $7.20   C. $7.98   D. $8.00   1. _____

2. Kate bought a bag of grapes that was 3.2 pounds. The bag of grapes cost
   $6.24.

   What was the price per pound for the bag of grapes?

   A. $1.90   B. $1.95   C. $2.00   D. $2.08   2. _____

3. The table below shows the late fees charged for overdue library books.

   ### Library Late Fee Charges

Days Overdue	Late Fee Charge
1	$0.05
2	$0.10
3	$0.20
4	$0.35
5	$0.55

   The pattern continues. What is the late fee charge for a book that is 7 days
   overdue?

   A. $0.75   B. $0.80   C. $1.05   D. $1.10   3. _____

4. From the information given in the table below use estimation to choose the
   brand with the lowest price per ounce.

Brand of soft drink	Price	Number of ounces
CC-cola	$1.25	12 fl. oz. can
Peppy Soda	$1.98	20 fl. oz. bottle
Sparkle	$3.95	64 fl. oz. bottle
Queen Soda	$5.25	6-pack of 12 fl. oz. cans

   A. CC-cola   B. Peppy Soda   C. Sparkle   D. Queen Soda

5. The library charges fines for each book that is returned late. The table
   shows the amount charged for different numbers of days that a book is
   returned late.

   ### Overdue Book Charges

Number of days late	5	6	7	8
Amount charged	$1.25	$1.50	$1.75	$2.00

   Based on the data in the table, which of the following is the amount charged
   for returning a library book 1 day late?

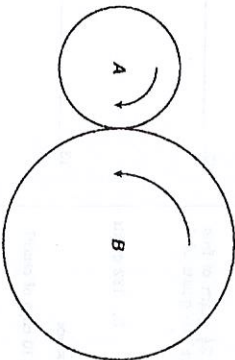   A. $1.00   B. $0.75   C. $0.50   D. $0.25   5. _____

6. Veronica can type 28 words per minute. At this rate, how many words can
   Veronica type in 5.5 minutes?

   A. 154   B. 157   C. 159   D. 162   6. _____

7. A farmer harvested 14,000 pounds of almonds from an 8-acre orchard.
   Which proportion could be solved to find x, the expected harvest from a
   30-acre orchard?

   A. $\dfrac{8}{14,000} = \dfrac{x}{30}$ B. $\dfrac{8}{14,000} = \dfrac{30}{x}$

   C. $\dfrac{30}{14,000} = \dfrac{x}{8}$ D. $\dfrac{30}{14,000} = \dfrac{8}{x}$ 7. _____

8. When wheel B turns 2 revolutions, wheel A turns 5 revolutions. When
   wheel A turns 40 revolutions, how many revolutions does wheel B turn?

   A. 4   B. 16   C. 80   D. 100   8. _____