PR3 PROBLEM BANK ANSWER KEY

LESSON 1

1.	a. 10	b. 9	c. 1	d. 18	e. 25	f. 56
	g. 15	h. 10	i. 3.6	j. 5	k. 22.5	l. 22.5

2.	a. $\frac{1}{3}$ min	b. 180 hours	c. 5 minutes

3.	a. 5 DVDs	b. 13 hours	c. 200 DVDs

4.	a. $\frac{3}{2} = \frac{9}{6}$	b. $\frac{9}{3} = \frac{6}{2}$	c. $\frac{3}{9} = \frac{2}{6}$

5.	a. 48 minutes	b. 90 times	c. 42.5 hours	d. 2,400 words
	e. 35 defective parts	f. 300 defective models	g. $2,600	h. $3
	i. $8.67	j. 8.3 hours	k. 2,530 deer	l. 0.3 inches

LESSON 2

1.	a. Shmear N Things: $0.75/bagel; Hole-y Bread: $0.80/bagel
	b. Shmear N Things

2.	a. Regular Size
	b. SS: (1, 0.5); RS: (1, 0.42) These points represent the unit rate.

3.	a. Cupcake Land. Cupcake land has a unit price of $0.83. Cake-in-a-Cup has a unit price of $0.89.
	b. The Sweet Shop would have the same unit price as Cupcake Land, even though you get more cupcakes.

4.	Muffin Up!

5.	A: Not Proportional	B: Proportional	C: Not Proportional

6.	a. Store A
	b. (0,0) represents when you buy 0 almonds and pay $0.
	c. (1, 0.5) represents the unit price for almonds.
	d. They go through (0,0) and are straight lines.

7.	a. 1.25 pounds per dollar because you get more pounds for the same price.
	b. 3 pounds for $3.65 because you get the same amount for the cheaper price.

LESSON 3

1.	a. 18 units by 15 units	b. 2 units by 2.5 units
	c. 48 units by 40 units	d. 30 units by 15 units
	e. 6 units by 5 units	f. 5 units by 2.5 units
	g. 100 units by 50 units	h. 2.5 units by 1.25 units

2.	a. 50%	b. 0.5	c. reduction	d. 4.5 units	e. 1.5 units

3.	a. 300%	b. 3	c. enlargement	d. 27 units	e. 9 units

4.	a. 150%	b. 1.5	c. enlargement	d. 18 units	e. 6 units

5.	a. 0.25	b. 1 : 4	c. reduction	d. 2 units