

PR3 PROBLEM BANK ANSWER KEY

LESSON 1

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|----|--------------------------------|--------------------------------|--------------------------------|
| 1. | a. 10 | b. 9 | c. 1 |
| | d. 18 | e. 25 | f. 56 |
| | g. 12 | 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