

Teacher Information *(Continued)*

Activity 3 Solving Systems of Equations

Answers to Instructions: Part A

1. 2nd purchase: $6x + 2y = 16.60$
3. $\text{eq1} = 24x + 15y = 72$
4. multiplier = -4
 $\text{eq2} = -24x - 8y = -66.4$
5. equation: $7y = 5.6$
6. $y = 0.8$
7. $x = 2.5$

Answers to Instructions: Part B

2. $z = 3x - 2y + 27$
3. $\text{eq2} = 32x - 19y + 243 = 45;$
4. $\text{eq3} = -14x + 15y - 162 = -62$
5. $y = 2$
6. $x = -5$
7. $z = 8$

Answers to Instructions: Part C

2. $x = 1; y = 3; z = -8$

Answers to Questions

1. $t = 0.5$ pounds; $l = 1.2$ pounds
2. $x = -4; y = 1; z = 10$
3. $x = 5; y = -2; z = 4$