

Unit 0 - Skill WS - Writing Equations From Words Teacher _____ Period _____

Write an equation for each part of each problem. There are two equations for each problem. Make sure that you define the variables.

- 1) DeShawn and Ashley are selling pies for a school fundraiser. Customers can buy cherry pies and pumpkin pies. DeShawn sold 6 cherry pies and 4 pumpkin pies for a total of \$72. Ashley sold 4 cherry pies and 8 pumpkin pies for a total of \$96. Write an equation for DeShawn's sales and a separate equation for Ashley's sales.
- 2) Stephanie's school is selling tickets to a spring musical. On the first day of ticket sales the school sold 11 senior citizen tickets and 2 child tickets for a total of \$116. The school took in \$124 on the second day by selling 5 senior citizen tickets and 6 child tickets. Write an equation for the first day's sales and a separate equation for the second day's sales.
- 3) The school that Ming goes to is selling tickets to a fall musical. On the first day of ticket sales the school sold 14 adult tickets and 6 child tickets for a total of \$122. The school took in \$101 on the second day by selling 7 adult tickets and 13 child tickets. Write an equation for the first day's sales and a separate equation for the second day's sales.
- 4) Mary and Matt are selling cheesecakes for a school fundraiser. Customers can buy pecan cheesecakes and apple cheesecakes. Mary sold 12 pecan cheesecakes and 1 apple cheesecake for a total of \$81. Matt sold 4 pecan cheesecakes and 7 apple cheesecakes for a total of \$87. Write an equation for Mary's sales and a separate equation for the Matt's sales.
- 5) Abhasra and Aliyah each improved their yards by planting grass sod and ornamental grass. They bought their supplies from the same store. Abhasra spent \$76 on 5 ft² of grass sod and 4 bunches of ornamental grass. Aliyah spent \$116 on 7 ft² of grass sod and 8 bunches of ornamental grass. Write an equation for Abhasra's sales and a separate equation for Aliyah's sales.
- 6) The school that Stefan goes to is selling tickets to the annual talent show. On the first day of ticket sales the school sold 2 senior citizen tickets and 9 student tickets for a total of \$51. The school took in \$27 on the second day by selling 4 senior citizen tickets and 3 student tickets. Write an equation for the first day's sales and a separate equation for the second day's sales.
- 7) Asanji and Trevon are selling cookie dough for a school fundraiser. Customers can buy packages of chocolate chip cookie dough and packages of oatmeal cookie dough. Asanji sold 13 packages of chocolate chip cookie dough and 12 packages of oatmeal cookie dough for a total of \$399. Trevon sold 2 packages of chocolate chip cookie dough and 6 packages of oatmeal cookie dough for a total of \$132. Write an equation for Asanji's sales and a separate equation for Trevon's sales.
- 8) Ming and Jenny each improved their yards by planting hostas and ivy. They bought their supplies from the same store. Ming spent \$91 on 2 hostas and 7 pots of ivy. Jenny spent \$169 on 10 hostas and 9 pots of ivy. Write an equation for Ming's sales and a separate equation for Jenny's sales.

Answers to Unit 0 - Skill WS - Writing Equations From Words

- 1) Deshawn: $6C + 4P = 72$
Ashley: $4C + 8P = 96$
- 2) First Day: $11S + 2C = 116$
Second Day: $5S + 6C = 124$
- 3) First Day: $14A + 6C = 122$
Second Day: $7A + 13C = 101$
- 4) Mary: $12P + C = 81$
Matt: $4P + 7A = 87$
- 5) Abhasra: $5S + 4B = 76$
Aliyah: $7S + 8B = 116$
- 6) First Day: $2C + 9S = 51$
Second Day: $4C + 3S = 27$
- 7) Asanji: $13C^2 + 12O = 399$
Trevon: $2C^2 + 6O = 132$
- 8) Ming: $2H + 7I = 91$
Jenny: $10H + 9I = 169$