

## Numbers 2 \* Related Word Problems 2A

1. Tate & Nicole caught 15 Butterflies. Nicole caught 3 more than Tate did. How many did each catch?

$$\begin{array}{r} b+3 \qquad b \\ \hline \end{array} \quad 15 \text{ Butterflies}$$

$(2B)+3 = 15$      $2B = 12$      $B = 6$     Check!    Nicole caught  $6+3=9$  B-flies    Tate caught 6 B-flies

2. Jim & Sue work 33 hours. Jim worked twice as many hours as Sue. How many hours did each work?

$$\begin{array}{r} h+h \qquad h \\ \hline \end{array} \quad 33 \text{ hours}$$

$(3h) = 33$      $h = 11$     Check!    Jim worked  $11+11 = 22$ hrs    &    Sue worked 11hrs

3. Pete & Jan created 28 posters. Jan made 4ft more than twice as many as Pete. How posters did each create?

$$\begin{array}{r} p+p+4 \qquad p \\ \hline \end{array} \quad 28 \text{ Booster Posters}$$

$(3p)+4 = 28$      $3p = 24$      $p = 8$     Check!    (J) created  $8+8+4 = 20$  Posters    &    (P) created 8 Posters

4. Angie & Dan scored 13 points on a Quiz. Dan scored 1pt less than Angie. How many points did each score?

$$\begin{array}{r} p-1 \qquad p \\ \hline \end{array} \quad 13 \text{ points}$$

$(2p) - 1 = 13$      $2p = 14$      $p = 7$     Check!    Dan scored  $7-1=6$ pts    &    Angie scored 7pts

5. Diane & Steve have 27 baseball cards. Diane has half as many cards as Steve. How cards does each have?

$$\begin{array}{r} c \qquad c+c \\ \hline \end{array} \quad 27 \text{ Cards}$$

$(3c) = 27$      $c = 9$     Check!    Diane has 9 cards    Steve has  $9+9 = 18$  cards

6. Lori & Jerry have 13 antique cups. Lori has 2 less than half as many cups as Jerry? How many cups each?

$$\begin{array}{r} c-2 \qquad c+c \\ \hline \end{array} \quad 13 \text{ antique cups}$$

$(3c) - 2 = 13$      $3c = 15$      $c = 5$     Check!    Lori has  $5 - 2 = 3$  cups    &    Jerry has  $5+5 = 10$  cups

7. Tom & Mary have 23 books. Tom has 2 less than 2/3 as many books as Mary? How many books each?

$$\begin{array}{r} a+a-2 \qquad a+a+a \\ \hline \end{array} \quad 23 \text{ books}$$

$(5a)-2=23$ bks     $5a = 25$ bks     $a = 5$ bks    Check!    Tom:  $5 + 5 - 2 = 8$  books    Mary:  $5+5+5 = 15$  books

8. Joe & Sue have 20 merit awards. Joe has 4 more than 3/5 as many awards as Sue? How many awards each?

$$\begin{array}{r} a+a+a+4 \qquad a+a+a+a+a \\ \hline \end{array} \quad 20 \text{ awards}$$

$(8a)+4=20$      $8a = 16$      $a = 2$     Check!    Joe:  $2+2+2+4=10$  awards    Sue:  $2+2+2+2+2=10$  awards