

Numbers 2 * Related Word Problems 2A

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

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

$(2B)+3 = 15$ $2B = 12$ $B = 6$ 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?

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

$(3h) = 33$ $h = 11$ 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?

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

$(3p)+4 = 28$ $3p = 24$ $p = 8$ 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?

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

$(2p) - 1 = 13$ $2p = 14$ $p = 7$ 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?

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

$(3c) = 27$ $c = 9$ 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?

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

$(3c) - 2 = 13$ $3c = 15$ $c = 5$ 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?

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

$(5a)-2=23$ 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?

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

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