

COUNTDOWN Challenge

Problem Solving: Make a Table

1. I have six coins in both nickles and dimes. Altogether they are 45¢. How many nickles and dimes do I have?

| <u>Nickles</u> | <u>Dimes</u> | <u># of Coins</u> | <u>Amount of money</u> |
|----------------|--------------|-------------------|------------------------|
| 1 | 5 | 6 | 55¢ |
| 2 | 4 | 6 | 50¢ |
| 3 | 3 | 6 | _____ |
| 4 | 2 | 6 | _____ |
| 5 | 1 | 6 | _____ |

2. I have six coins, both nickels and dimes. Altogether they total 35¢. How many nickles and and dimes do I have?

| <u>Nickles</u> | <u>Dimes</u> | <u># of Coins</u> | <u>Amount of money</u> |
|----------------|--------------|-------------------|------------------------|
| 1 | 5 | _____ | 95¢ |
| 2 | 4 | _____ | _____ |
| 3 | _____ | _____ | _____ |
| 4 | _____ | _____ | _____ |
| 5 | _____ | _____ | _____ |

3. I have both 2¢ and 4¢ stamps. Altogether I have 6 stamps, totalling 18¢ worth of postage. How many 2¢ and 4¢ stamps do I have?

| <u>2¢ stamps</u> | <u>4¢ stamps</u> | <u>Total stamps</u> | <u>Value</u> |
|------------------|------------------|---------------------|--------------|
| 1 | 5 | 6 | 22¢ |
| 2 | 4 | 6 | _____ |
| 3 | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

4. In my barnyard, I have chickens and cows. If there are 30 heads and 100 legs in the barnyard, how many chickens and how many cows do I have?

| <u>Chickens(2 legs)</u> | <u>Cows(4 legs)</u> | <u># of Heads</u> | <u># of Legs</u> |
|-------------------------|---------------------|-------------------|------------------|
| 1 | 29 | 30 | 118 |
| 2 | 28 | 30 | _____ |
| 3 | 27 | 30 | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |