Name _____   Date _____

Writing Equations for Two Step Problems

In this worksheet, we will practice writing equations that can be used to solve two-step mixed operation problems.

For example: Jenny is twice as old as Lucie. Lucy is 2 years older than Stacie. How old is Jenny?

The equation used to solve this problem would be $J = (S + 2) \times 2$

Exercise Questions:

1. Marcie has twice as many dolls as her sister Stacie. Stacie has 3 less dolls than her friend Tracie. How many dolls does Marcie have?

_____

2. James has 3 more cars than his brother Sam. Sam has twice as many cars as his cousin Mike. How many cars does James have?

_____

3. Ella has 8 less stuffed animals than her little sister Anna. Anna has twice as many stuffed animals as her little brother Nathan. How many stuffed animals does Ella have?

_____

4. Marcus is twice as tall as Ben. Ben is 6 inches shorter than John. How tall is Marcus?

_____

5. Beth has ten more flowers than Ruth. Ruth has twice as many flowers as Lisa. How many flowers does Beth have?

_____

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1. Marcie has twice as many dolls as her sister Stacie. Stacie has 3 less dolls than her friend Tracie. How many dolls does Marcie have?

_____M = 2 (T-3)_____

2. James has 3 more cars than his brother Sam. Sam has twice as many cars as his cousin Mike. How many cars does James have?

_____J = (2 x M) +3_____

3. Ella has 8 less stuffed animals than her little sister Anna. Anna has twice as many stuffed animals as her little brother Nathan. How many stuffed animals does Ella have?

_____E = (2 x N) - 8_____

4. Marcus is twice as tall as Ben. Ben is 6 inches shorter than John. How tall is Marcus?

_____M = 2 x (J-6)____

5. Beth has ten more flowers than Ruth. Ruth has twice as many flowers as Lisa. How many flowers does Beth have?

_____B = (2 x L) + 10_____