Writing	and	Solving	Equations	from	Situations
Topic 3					

Name	
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## Word Problems: WRITE equations FIRST and then SOLVE to Answer the Problem

- 1. The product of 4 and a number plus the product of 3 and the same number is 35. What is the number?
- 2. A number added to 12 and then subtracted by 18 equals 26. What is the number?

- 3. Beth is 3 times older than her sister Jill. If together their ages are 24, how old is each girl?
- 4. A number minus 8 and then subtracted by 12 is equal to 5. What is the number?

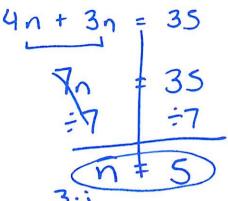
- 5. Steve rode 4 miles on his bike the first day, m miles on the second day and 7 miles on the third day. If on all three days he rode a total of 20 miles, write and solve an equation to find out how many miles Steve rode on the second day.
- 6. Stan bought 6 posters for d dollars and a book for \$20. If his total came to \$44, write and solve an equation to determine the cost of a single poster.

Writing and Solving Equations from Situations Topic 3 Homework

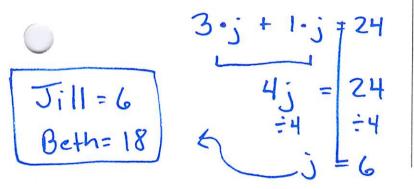
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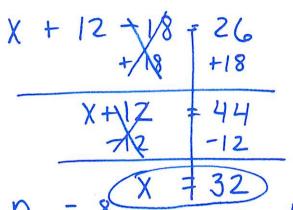
3. Beth is 3 times older than her sister Jill. If together their ages are 24, how old is each girl?



5. Steve rode 4 miles on his bike the first day, miles on the second day and 7 miles on the third day. If on all three days he rode a total of 20 miles, write and solve an equation to find out how many miles Steve rode on the second day.

$$4 + m + 7 = 20$$
 $-4 = 13$ 
 $-4 = 9$  miles

2. A number added to 12 and then subtracted by 18 equals 26. What is the number?



4. A number minus 8 and then subtracted by 12 is equal to 5. What is the number?

$$n - 8 - 12 = 5$$
  
+  $17$   
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