

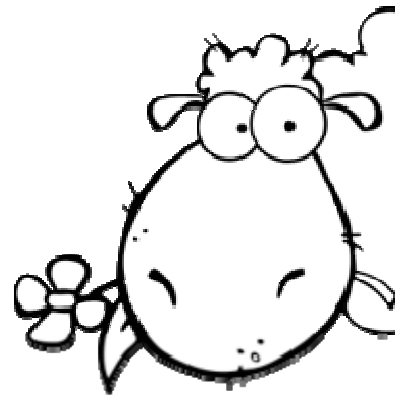
Name _____

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Using Tables and Data Charts - Step-by-Step Lesson**Lesson 1 Table chart Problems:**

The number of goats is 7 fewer than 7 times the number of sheep. This table shows how the number of goats in a barn, g , depends on the number of sheep, s .

g	s
14	3
21	4
28	5
35	6



How would you write an equation to represent this?

- a) $g = 7s + 7$
- b) $g = 7s - 6$
- c) $g = 8s - 7$
- d) $g = 7s - 7$

Explanation:

s = number of sheep
 g = number of goats

They give us that something that we can work right from:

"The number of goats is 7 fewer than 7 times the number of sheep."

Lets translate this to equation form:



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The number of goats	is	7 fewer than	7 times the number of sheep
g	$=$	-7	$7s$

"7 fewer" means you should subtract 7. Use this information to finish the equation.

$$g = 7s - 7$$

You can use the table to check your answer. Replace the variable b with each number in the b column.

$$s = 3:$$

$$g = (7 \times 3) - 7 = 14$$

$$s = 4:$$

$$g = (7 \times 4) - 7 = 21$$

$$s = 5:$$

$$g = (7 \times 5) - 7 = 28$$

$$s = 6:$$

$$g = (7 \times 6) - 7 = 35$$

