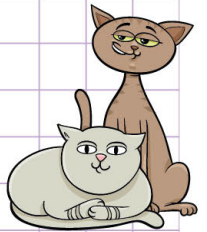


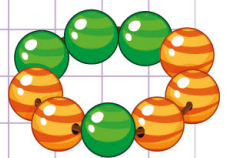
Name: Class:

Write variable equations to represent word problems

- a. Boris' grandmother has 5 cats. His grandfather has 4 less than twice as many cats as his grandmother. Deduce an equation that shows the number of cats Boris' grandfather has.



- b. Jerry has a collection of 60 marbles in a jar. This is twice the number his sister has. Write down an equation that represents the total number of marbles, m , his sister has.



- c. James bought 25 packs of napkins for his upcoming wedding. Each pack has 50 napkins. Deduce an equation that can be used to find the total number of napkins, n , in the 25 packs.

Name: Class:

Write variable equations to represent word problems

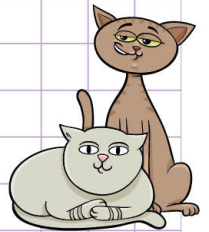
- a. Boris' grandmother has 5 cats. His grandfather has 4 less than twice as many cats as his grandmother. Deduce an equation that shows the number of cats Boris' grandfather has.

Let's first of all try to interpret the question.

Boris' grandfather has 4 less than twice as many cats as his grandmother means that, we should subtract 4 from 2 times the number of cats Boris' grandmother has.

So, the equation is $2(5) - 4 = c$

Therefore, $2(5) - 4 = c$ shows the number of cats c , Boris' grandfather has.



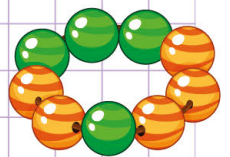
- b. Jerry has a collection of 60 marbles in a jar. This is twice the number his sister has. Write down an equation that represents the total number of marbles, m , his sister has.

Let's first of all try to interpret the question.

Jerry's marbles are twice the number of marbles his sister has means that, the number of marbles Jerry's sister has is half the number of marbles Jerry has.

So, the equation is $60 \div 2 = m$.

Therefore, $60 \div 2 = m$ represents the total number of marbles m , Jerry's sister has.



- c. James bought 25 packs of napkins for his upcoming wedding. Each pack has 50 napkins. Deduce an equation that can be used to find the total number of napkins, n , in the 25 packs.

Let's first of all try to interpret the question.

If 1 pack = 50 napkins

then, 25 packs = (n) napkins

So, we cross multiply to find the total number of napkins

$$50 \times 25 = n$$

Therefore, $50 \times 25 = n$ is the equation that can be used to find the total number of napkins.