Name: Period:

Lesson 9-2 Classwork

Calculators OK

Question 01

There are baseball caps and sun hats for sale. There are four times as many baseball caps as sun hats. There are 150 hats altogether. How many sun hats are there?

Question 02

There are purple and green beads on a necklace. There are three times as many purple beads as green beads. There are 80 beads altogether. How many purple beads are there?

Question 03

There are black and silver beads on a necklace. There are three times as many black beads as silver beads. There are 120 beads altogether. How many silver beads are there?

Question 04

There are chocolate and vanilla cupcakes for sale. There are three times as many vanilla cupcakes as chocolate cupcakes. There are 100 cupcakes altogether. How many vanilla cupcakes are there?

Question 05

There are cans of cola and cans of seltzer for sale. There are three times as many cans of cola as cans of seltzer. There are 60 cans altogether. How many cola cans are there?

Question 06

There are 2 more members of the science club than the math club. There are 60 members of the clubs together. How many members of the math club are there?

Question 07

There are 9 more members of the debate club than the drama club. There are 73 members of the clubs together. How many members of the debate club are there?

Question 08

There are 5 more members of the art club than the robotics club. There are 19 members of the clubs together. How many members of the robotics club are there?

Question 09

A snack mix contains peanutes, *p*, and chocolates, *c*. There are exactly two times as many peanuts as chocolates. Let *t* represent the total number of peanuts and chocolates combined. Which equations model this situation? Check **all** that apply.

- ☐ $c + p = t$; $2c = p$
- ☐ $c + p = t$; $2p = c$
- ☐ $c + p = t$; $c + c = p$
- ☐ $c + p = t$; $p + p = c$
- ☐ $2c = t$
- ☐ $2p = t$
- ☐ $3c = t$
- ☐ $3p = t$

Question 10

For the question above, could the snack mix ever be served so that *t* equals 56? Select the best answer below.

- ◯ Yes, “t” could equal 51, or any other whole number.
- ◯ Yes, “t” could equal 56 because 56 is evenly divisible by 2.
- ◯ No, “t” could not equal 56 because 56 is not evenly divisible by 3