Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Math 7  
Chapter 4 – Expressions & Equations Bell Ringer #16

BELL RINGER

Solve the equation and CHECK:

1. 2(a + 3) + 2a = 46 Check:

  
 **Blast** from the **Past**

2) Melanie answered 10 questions correctly on a 12 question test. What percent did Melanie get correct?

* 1. 0.83%
  2. 83%
  3. 84%
  4. 0.84%

3) If ½ inch = 15 yards, how many yards are equal to   
2 inches?

A. 30 yards

B. 7.5 yards

C. 60 yards

D. 90 yards



Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Math 7

Chapter 4 – Expressions & Equations Notes #16

MORE WITH MULTI-STEP EQUATIONS

**Examples:**

1. 54 = 14 – 2n + 10n

**Check:**

1. -10y + 2(y – 8) = -48

**Check:**

1. You are buying concert tickets. The ticket price is   
   $20 per ticket, plus a service fee of $2.50 per ticket, plus a flat processing fee of $1.50. You spend a total of $226.50.   
   Let *x* = the number of tickets and use an equation to find the number of tickets you purchased.

4) The sum of a number and 5**,** times 3**,** is equal to 45. Write an equation for this statement and solve to find the missing number.

**YOUR TURN:**

5) 4(x - 3) – 8x = 24 **CHECK**:

6) Twice the difference of a number and 10 is equal to 50. Write an equation for this statement and solve to find the missing number.

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Math 7

Chapter 7 – Expressions & Equations Worksheet #16

Solve.  
1) 7(2a + 3) = -7 2) 3(x - 2) – 6x = -12

3) 9r – 3(2r – 5) = 90

**What number are you distributing in the above equation? \_\_\_\_\_\_\_\_**

4) Solve the equation:  
 9r – 3(2r – 5) = 90

5) You are buying fruit from a fruit stand. It costs $2.99 per pound for apples plus an additional 0.10 per pound for the storage container. If you have a total of $20 to spend, how many pounds of apples can you buy? Let *p* = the number of pounds. Round to the nearest tenth of a pound.