Name: _____

Solve the equations

9. Brinley is making headbands for her friends. Each headband needs $16\frac{1}{2}$ inches of elastic and she has 132 inches of elastic. Use the *guess, check, and revise* strategy to solve the equation $16\frac{1}{2}h = 132$ to find h, the number of headbands Brinley can make. (Example 2)

10. Maddox has \$12.25 to spend on sports drinks. Each drink costs \$1.75. Use the *guess, check, and revise* strategy to solve the equation $1.75d = \$12.25$ to find d, the number of drinks Maddox can buy (Example 2)

11. Manuel has two different recipes for chocolate chip muffins. The table shows the amount of chocolate chips needed per batch for each recipe. He has $8\frac{3}{4}$ cups of chocolate chips. Use the *guess, check, and revise* strategy to solve the equation $\frac{1}{4}b = 8\frac{3}{4}$ to find b, the number of batches of muffins he can make if he uses Recipe 2.

Recipe	Chocolate Chips (cups)
1	$\frac{3}{4}$
2	$1\frac{1}{4}$

LIVEWORKSHEETS