St. Pat's Day Puzzlers

Name _____

Try to solve each problem **on your own**. Show your work using numbers, pictures, words, or symbols. We will discuss the problems together and correct them in class.

---

1. Leonard the leprechaun can make one shoe every 20 minutes. How many hours will it take him to make 6 pairs of shoes?

Answer: _____

✓-   ✓   ✓+

---

2. Blarney Castle is the site of the famous Blarney Stone. The year it was built is a 4-digit number with an odd number in the thousands place. The digits in the tens and the hundreds places are the same, and their product is 16. The ones place is two greater than the tens place. When was the castle built?

Answer: _____

✓-   ✓   ✓+

---

3. Katie found a pot of gold at the end of a rainbow. She counted the coins and took out 1/3 of them. She put half her coins into each of her two pockets, and there were 5 coins in each pocket. How many gold coins were in the pot before Katie discovered it?

Answer: _____

✓-   ✓   ✓+

---

4. Shamrocks have 3 leaves and are not the same as lucky 4-leaf clovers. Sean looked for 4-leaf clovers and shamrocks in a patch of clover. He picked 2 four-leaf clovers and 12 shamrocks. How many leaves in all on the plants he picked?

Answer: _____

✓-   ✓   ✓+