



# Division Prediction

**MAGICAL EFFECT:** Defy the laws of probability! Of the six possible numbers on a game die, you guess the two your audience is thinking of.

**HOW TO PERFORM:**

Announce that you can predict the answer to a 3-digit division problem using any digit the audience chooses. Write your prediction on a piece of paper, seal it in an envelope and ask a member of the audience to hold it. Ask the audience to give you any 3-digit number with all the digits the same. Invite them to join you as you:

**EXAMPLE**

555

Add the three digits:

$$5 + 5 + 5 = 15$$

Divide the original number by their sum:

$$555 \div 15 = 37$$

Ask the envelope-holder to open the seal and show what you predicted. Lo and behold it is:

37 !!!

**SECRET:**

Take any 3-digit number with all three digits the same, and divide it by the sum of the three digits as we did here, and the answer will always be 37.

