Divisibility & Remainders

Practice

Digit-sum tricks and sharing problems.

Name: _____ Date: _____

Think: For 3 and 9: add up the digits. If the digit sum divides, the number divides.

1. Solve each one. Reason it out!

1) Is 47 divisible by 3? Use the digit-sum trick. _____

2) What is the remainder of 65 ÷ 5? _____

3) What is the remainder of 88 ÷ 5? _____

4) 55 marbles are shared equally among 5 friends. How many marbles are LEFT OVER? _____

5) 32 marbles are shared equally among 6 friends. How many marbles are LEFT OVER? _____

6) 12 marbles are shared equally among 3 friends. How many marbles are LEFT OVER? _____

7) 51 marbles are shared equally among 6 friends. How many marbles are LEFT OVER? _____

8) What is the remainder of 26 ÷ 9? _____

9) Is 121 divisible by 3? Use the digit-sum trick. _____

10) 56 marbles are shared equally among 5 friends. How many marbles are LEFT OVER? _____

11) 49 marbles are shared equally among 4 friends. How many marbles are LEFT OVER? _____

12) 45 marbles are shared equally among 8 friends. How many marbles are LEFT OVER? _____