

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!

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| 1) Is 97 divisible by 3? Use the digit-sum trick. _____ | 2) What is the remainder of $87 \div 5$? _____ |
| 3) 22 marbles are shared equally among 6 friends. How many marbles are LEFT OVER? _____ | 4) What is the remainder of $80 \div 6$? _____ |
| 5) What is the remainder of $78 \div 6$? _____ | 6) What is the remainder of $55 \div 5$? _____ |
| 7) What is the remainder of $44 \div 6$? _____ | 8) Is 159 divisible by 9? Use the digit-sum trick.
_____ |
| 9) What is the remainder of $85 \div 5$? _____ | 10) 57 marbles are shared equally among 4 friends. How many marbles are LEFT OVER? _____ |
| 11) What is the remainder of $70 \div 4$? _____ | 12) Is 197 divisible by 9? Use the digit-sum trick.
_____ |