

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) What is the remainder of $71 \div 7$? _____ | 2) 26 marbles are shared equally among 5 friends. How many marbles are LEFT OVER? _____ |
| 3) Is 38 divisible by 3? Use the digit-sum trick. _____ | 4) What is the remainder of $32 \div 6$? _____ |
| 5) What is the remainder of $56 \div 7$? _____ | 6) Is 190 divisible by 9? Use the digit-sum trick. _____ |
| 7) Is 182 divisible by 3? Use the digit-sum trick. _____ | 8) Is 94 divisible by 3? Use the digit-sum trick. _____ |
| 9) What is the remainder of $26 \div 6$? _____ | 10) 26 marbles are shared equally among 3 friends. How many marbles are LEFT OVER? _____ |
| 11) Is 130 divisible by 9? Use the digit-sum trick. _____ | 12) What is the remainder of $56 \div 9$? _____ |