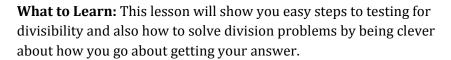# Student Worksheet for Division

Overview: If you hate long division like I do, then this lesson will be very useful in showing you how to make the most out of your division tasks without losing sleep over it. It's easy, quick, and a whole lot of fun! If you haven't already mastered your multiplication tables, make sure you have one handy to refer to as you go along.

What to Learn: This lesson will show you easy steps to testing for divisibility and also how to solve division problems by being clever about how you go about getting your answer.

Exercises: Write down your answers, and then check yourself with a calculator.

1. For the following numbers, are they divisible by 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and/or 12? Circle your answer(s).

    a. 36 is divisible by: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 ,12

    b. 467 is divisible by: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

    c. 144 is divisible by: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

    d. 903 is divisible by: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

    e. 837 is divisible by: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

    f. 4269 is divisible by: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

    g. 1234 is divisible by: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

    h. 8624 is divisible by: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

    i. 12345 is divisible by: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

    j. 264,612 is divisible by: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

2. Can you solve these quickly by doubling?
    a. $342 \div 5$
    b. $964 \div 5$
    c. $112 \div 5$
    d. $4213 \div 5$
    e. $21,440 \div 5$

3. Solve these quickly by overshooting:
    a. $897 \div 9$
    b. $340 \div 35$
    c. $721 \div 69$
    d. $233 \div 21$
    e. $678 \div 66$ 1q