

MATH 2008  
Test 2 Concepts

BRING COLORED PENCILS TO THE TEST.

Don't assume the following list of concepts is exhaustive.

Do you understand our numeration system? Do you know its name? Do you understand why the base is 10?

Do you understand place value?

Do you understand how to read and write whole numbers and decimal numbers?

Do you understand how to represent whole numbers and decimal numbers with base ten blocks? Do you understand the importance of specifying the unit?

Can you represent numbers in a variety of ways, including expanded notation?

Can you use your understanding of place value to make sense of the addition and subtraction algorithms?

Can you decide which of two numbers has the greater value and offer a mathematical reason for your decision?

Do you understand what  $3^5$  means? Can you offer a mathematical explanation as to why  $3^0$  has a value of 1? Do you know why  $0^0$  is meaningless?

Do you know why division by 0 is not possible?

Can you examine student work to determine the strategy used—and decide if the strategy is reasonable?

Are you improving in your problem solving skills?