CMAT Center For Mathematics And Teaching | MathLinks

Name: _____   Date:_____

JANUARY 29 (OR 1/29) IS NATIONAL PUZZLE DAY
Here's a Puzzle Day problem for you.

Use the numbers 1, 2 and 9 to create expressions equal to 1 through 10.

- You may combine numbers to make multi-digit numbers (e.g., 12, 92)
- You many use these operations: +, -, x, ÷.
- You may use numbers 1, 2, and 9 as exponents, and ½ as an exponent to show the square root of a number.

_____ = 1   _____ = 6

_____ = 2   _____ = 7

_____ = 3   _____ = 8

_____ = 4   _____ = 9

_____ **= 5**   _____ = 10

And how about these? Give them a try.

_____ $= 9\frac{1}{2}$ _____ $= 45\frac{1}{2}$

_____ = 82   _____ = 100

_____ = 18 3   _____ = 512