Name _____ Date/Time _____

Mystery Number Puzzles

NCTM Standards 1, 2, 6, 7, 8, 9, 10

"Have fun," said Mrs. Jackson.

"All these puzzles are about two-digit numbers."

1 **A** I am greater than 24×4.

   B $u < t$ (My units digit is less than my tens digit.)

   C I am odd.

2 **A** $t = u$

   B I am not an even number.

   C I am a multiple of 5.

3 **A** I am less than 4×4.

   B I am a multiple of 5.

   C I am even.

4 **A** I am less than 6×4.

   B I am greater than 7×3.

   C $u > t$

You can use this space to make your lists.

1   **2**   **3**   **4**

5 One of the clues above says, "I am a multiple of 5." What does this clue tell about the units (ones) digit of the mystery number?

Some of these mystery numbers have 3 digits.

6 **A** I can be represented by 6 base-ten blocks.

   B $t < u$

   C I am even.

□

7 **A** I am greater than 10×12.

   B I am a multiple of 25.

   C $h < t < u$

□

8 **A** I am less than 13×12.

   B $t = u$

   C $h > t$

□

9 **Challenge**

   A I am less than 20×20.

   B I am a square number.

   C $u < t$

   D $h = u$

□

You can use this space to make your lists.

6   **7**   **8**   **9**