

Name: _____

The Math Detective

The detective was put on this case to find out the answers to the following questions:

- *What unit of measurement is used to measure a racehorse's height?*

- *If you cut off 1 corner of a rectangle how many corners are left?*

- *What number cannot be shown in Roman Numerals?*

- *An empty barrel weighs 10 kg. What can you put in the barrel to make it weigh 9 kg?*

In order to find the answers we must use the clues in his briefcase.

Pull the cards out of the briefcase one-by-one and match up each number with its equivalent representation.

**** CAUTION:** *ALL sides of the cards must match up.*

**** EXTRA ADVICE:** *Since this detective is a brainiac he is allowed to use his calculator since he already knows how to do it by hand.*



After you have lined up the cards in the 4x4 square, solve the mysteries!

(That is answer each of the questions.)

The questions are in the same order as they appear in the 4x4 square.

Now using the 4x4 square write the answers to the problems below:

1. $.8 =$

3. $.4 =$

5. $15\% =$

2. $\frac{2}{15} =$

4. $\bar{.5} =$

6. $92\% =$

When the worksheet is completed please return all clues to the briefcase and mix them up.

Turn in your worksheet for extra credit! 😊