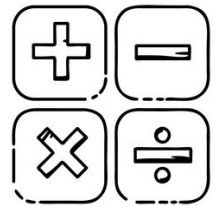


Name _____



6th Grade Summer Math Packet

In order for your new math teacher to get to know where you are in the world of math, please complete this packet on your own without help from others. Trying your best is all that matters. The first section is a review of the 4 math operations. The second section is a card trick to track your thinking and reasoning.

4 Operation Review:

$$\begin{array}{r} 363 \\ + 125 \\ \hline \end{array}$$

$$\begin{array}{r} 273 \\ + 351 \\ \hline \end{array}$$

$$\begin{array}{r} 958 \\ + 345 \\ \hline \end{array}$$

$$\begin{array}{r} 428 \\ + 239 \\ \hline \end{array}$$

$$\begin{array}{r} 562 \\ - 280 \\ \hline \end{array}$$

$$\begin{array}{r} 623 \\ - 245 \\ \hline \end{array}$$

$$\begin{array}{r} 125 \\ - 109 \\ \hline \end{array}$$

$$\begin{array}{r} 625 \\ - 538 \\ \hline \end{array}$$

$$\begin{array}{r} 523 \\ \times 45 \\ \hline \end{array}$$

$$\begin{array}{r} 720 \\ \times 19 \\ \hline \end{array}$$

$$\begin{array}{r} 753 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 580 \\ \times 18 \\ \hline \end{array}$$

$$9 \overline{)183}$$

$$6 \overline{)960}$$

$$10 \overline{)158}$$

$$11 \overline{)165}$$



Card Trick:

You will need a deck of cards for this trick!

- To begin, all you will need is one suit (heart, spade, club, or diamond). You should have 13 cards (Ace, 2, 3,... to King). Put all the other suits to the side.
- Your goal is to set up your deck of 13 cards so that they come out in the order: A, 2, 3, 4, 5, 6, 7, 8, 9, 10, J, Q, K. Here's the tricky part: you aren't turning over the cards in order. Follow this guide and then figure out the trick!
- Guide for doing the trick:
 - Reveal the top card (it should be an Ace) and place it to the side
 - Take the next card in the deck and move it to the bottom
 - Reveal the new top card (it should be a 2) and place it to the side
 - Take the next card in the deck and move it to the bottom
 - Reveal the new top card (it should be a 3) and place it to the side
 - Take the next card in the deck and move it to the bottom
 - Repeat until you can reveal A, 2, 3, 4, 5, 6, 7, 8, 9, 10, J, Q, and K in order!

Explain your process here: How did you start? Did the trick work the first time? What did you change? How did you get it to work?