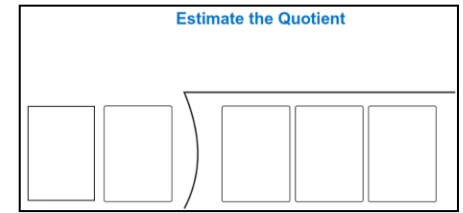


# Estimate the Quotient



**Materials:** numeral cards (0-9)

1. Work with a partner. Shuffle the deck of numeral cards and place them face down on the table. Take turns to turn over five cards. Use three cards to make a dividend and two cards to make a divisor. Write out the division problem.
2. Rewrite the problem using compatible numbers that are close to the actual numbers and easy to divide mentally. Estimate the quotient mentally.

**Example:**  $\begin{array}{|c|c|} \hline 3 & 8 \\ \hline \end{array} \overline{) \begin{array}{|c|c|c|} \hline 7 & 9 & 4 \\ \hline \end{array}}$   $794 \div 38 \rightarrow 800 \div 40 = 20$

3. Explain your reasoning to your partner.

I estimate that \_\_\_ divided by \_\_\_ is \_\_\_ because .....

4. Repeat steps 1-3 at least five times.

5. Challenge: Try estimating quotients for problems with four-digit dividends and two-digit divisors.

**Example:**  $2,789 \div 72 \rightarrow 2,800 \div 70 = 40$

# Estimate the Quotient

