Division Strategy: Partial Quotients

Materials: Division Equations Board (3 digit dividend, one digit divisor)

- Work with a partner. Choose a line of four problems from the board (vertically, horizontally or diagonally) that you will both solve. Solve each problem using the partial quotients strategy.
 - Step 1: Write a list of easy facts for the divisor.
 - Step 2: Subtract from the dividend an easy multiple of the divisor (e.g. 100x, 10x, 5x, 2x). Record the partial quotient in a column to the right of the problem.
 - Step 3: Repeat until the dividend has been reduced to zero or the remainder is less than the divisor.
 - Step 4: Add the partial quotients to find the quotient.

Easy Facts for 6		
2 x 6 = 12	20 x 6 = 120	
3 x 6 = 18	30 x 6 = 180	
5 x 6 = 30	50 x 6 = 300	
10 x 6 = 60	100x6 = 600	

2. Check your work with your partner. Repeat with another line of four problems.

192 ÷ 6	724 ÷ 7	155 ÷ 5	129 ÷ 4
157 ÷ 7	373 ÷ 3	336 ÷ 6	209 ÷ 9
191 ÷ 5	242 ÷ 6	288 ÷ 9	180 ÷ 5
684 ÷ 6	163 ÷ 7	208 ÷ 6	428 ÷ 8