Division Strategy: Partial Quotients

Materials: Division Equations Board (4 digit dividend, one digit divisor)

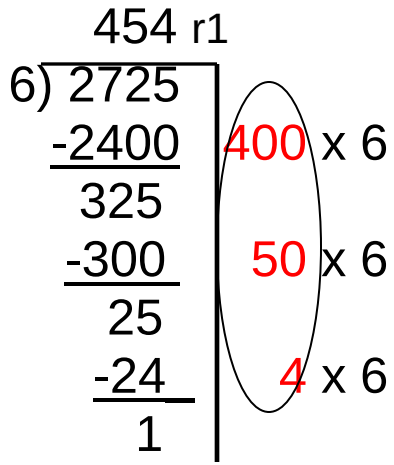
Choose a line of four problems (vertically, horizontally or diagonally). Solve each problem using the Partial Quotients method.

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. 10x, 100x, 200x, 500x etc). 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 up the partial quotients to find the answer.

Example: 2725 ÷ 6

Easy Facts for 6

10 x 6 = 60	100 x 6 = 600
20 x 6 = 120	200 x 6 = 1200
40 x 6 = 240	400 x 6 = 2400
50 x 6 = 300	



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3192 ÷ 6=	7724 ÷ 7=	6155 ÷ 5=	4429 ÷ 4=
7357 ÷ 7=	6373 ÷ 3=	2436 ÷ 6=	1919 ÷ 9=
2491 ÷ 5=	2432 ÷ 6=	1828 ÷ 9=	2280 ÷ 5=
6684 ÷ 6=	1463 ÷ 7=	1831 ÷ 6=	8168 ÷ 8=

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