

Division Strategy: Multiplying Up

Materials: Division equations boards

1. Work with a partner. Choose a line of four problems from the board (horizontally, vertically or diagonally) that you will both solve.
2. Solve each problem by using easy multiplication facts to multiply up to reach the dividend.

Example: $362 \div 15$

$$\begin{array}{l} 15 \times 10 = 150 \\ 15 \times 10 = 150 \\ 15 \times 2 = 30 \\ 15 \times 2 = 30 \\ 15 \times 24 = 360 \\ \quad + 2 \\ \hline 362 \end{array}$$

OR

$$\begin{array}{l} 15 \times 20 = 300 \\ 15 \times 4 = 60 \\ 15 \times 24 = 360 \\ \quad + 2 \\ \hline 362 \end{array}$$

$$362 \div 15 = 24 \text{ R } 2$$

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

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$192 \div 16$	$204 \div 17$	$210 \div 15$	$168 \div 12$
$357 \div 17$	$273 \div 13$	$336 \div 16$	$209 \div 19$
$195 \div 15$	$242 \div 11$	$570 \div 19$	$180 \div 12$
$384 \div 16$	$187 \div 17$	$208 \div 16$	$378 \div 18$