

Name _____ Date _____

Multiplication Strategies Practice

Breaking Apart

$$5 \times 854 = 4,270$$

$$\begin{array}{r} 5 \times 800 = 4000 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \times 50 = 250 \\ \hline \end{array}$$

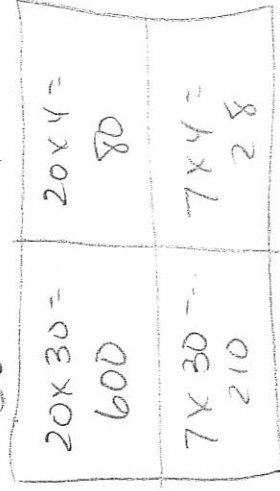
$$\begin{array}{r} 5 \times 4 = 20 \\ \hline 4,270 \end{array}$$

Area Model

See back! →

$$27 \times 34 = 918$$

$$30 + 4$$



$$20 + 7$$

$$\begin{array}{r} 600 \\ 210 \\ 80 \\ + 28 \\ \hline 918 \end{array}$$

Expanded Algorithm

$$9,072 \times 3 = 27,216$$

$$\begin{array}{r} 9,072 \\ \times 3 \\ \hline \end{array}$$

6

$$210$$

$$\begin{array}{r} 27000 \\ \hline \end{array}$$

$$27,216$$

Free Choice

$$4,537 \times 4 =$$

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Division Strategies

Think! Friendly Numbers

ex: 1. 10 (or a multiple ... 20, 30, 40 etc.)

2. 5

Dealing Out

$$87 \div 3 = 29$$

10	10	10
10	10	10
5	5	5
+ 4	+ 4	+ 4
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29	29	29

$$\begin{array}{r}
 87 \\
 -30 \\
 \hline
 57 \\
 -30 \\
 \hline
 27 \\
 -15 \\
 \hline
 12 \\
 -12 \\
 \hline
 0
 \end{array}$$

Area Model

$$109 \div 8 = 13 \text{ R } 5$$

8	80	x	10
	16	x	2
	8	x	1

	13		

$$\begin{array}{r}
 109 \\
 -80 \\
 \hline
 29 \\
 -16 \\
 \hline
 13 \\
 -8 \\
 \hline
 \text{R } 5
 \end{array}$$

Area Model

Partial Quotient

$$487 \div 5 = 97R2$$

$\begin{array}{r} 97R2 \\ 5 \overline{) 487} \\ \underline{-250} \\ 237 \\ \underline{-200} \\ 37 \\ \underline{35} \\ R2 \end{array}$	$\begin{array}{r} \times 50 \\ \times 40 \\ \times 7 \\ \hline 97 \end{array}$
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