## Mathinks

## BIG SQUARE PUZZLES

Big Square Puzzles are a great way to practice arithmetic and algebra ideas. To get started, pick and print a puzzle, cut up the pieces, and mix them up. To solve the puzzle, arrange the square pieces so that the expressions or equations on the pieces' edge are equal to each other. For extra fun, print the puzzle template at the end of this file and make your own puzzle for your parents to try!

BIG SQUARE PUZZLE
TERMINATING DECIMALS 1

| $\qquad$ | $\begin{array}{\|ccc} \text { NIA } & & \stackrel{\text { @ }}{0} \\ & \frac{7}{100} & \\ \hline \end{array}$ |  | $\left\lvert\, \begin{array}{ll} 0 & \\ & 0.6 \end{array}\right.$ |
| :---: | :---: | :---: | :---: |
| $\begin{array}{lll} \hline \frac{001}{06} & \\ & \text { 띵ํ } \\ 0.8 & \\ \hline \end{array}$ |  |  | $\begin{array}{\|ll\|} \hline & \frac{0 \downarrow}{9} \\ & \stackrel{\rightharpoonup}{\mid l \omega} \\ & \\ & 0.9 \\ \hline \end{array}$ |
| $\frac{01}{8}$ $\stackrel{\text { Ni }}{\substack{0}}$ <br> $\frac{3}{10}$ of a dollar |  |  |  |
| $0 \varepsilon \circ 0 \$$ <br> 위우 |  |  |  |

BIG SQUARE PUZZLE TERMINATING DECIMALS 2


BIG SQUARE PUZZLE REPEATING DECIMALS


## BIG SQUARE PUZZLE INTEGER ADDITION AND SUBTRACTION



## BIG SQUARE PUZZLE RATIONAL NUMBER ADDITION AND SUBTRACTION



## BIG SQUARE PUZZLE SOLVING EQUATIONS WITH RATIONAL COEFFICIENTS



## BIG SQUARE PUZZLE PROPORTIONAL REASONING

| $2: 1$ |  | $\left\|\begin{array}{ccc} N & & \\ \sim & & - \\ \hdashline & & \\ \vec{N} & & \\ \underset{\sim}{N} & & \\ & 36: 45 & \\ & 36 & \end{array}\right\|$ | $\rightarrow$ <br> or $2.5: 12.5$ |
| :---: | :---: | :---: | :---: |
| $\frac{8}{2}: \frac{t}{b}$ $1: \frac{1}{2}$ |  |  $9 . z: z$  <br> $N$  $N$ <br> $\cdots$  $\cdots$ <br> $N$  0 <br> $O$  0 <br>  $20: 25$  | $\begin{array}{ll}  & 1: \frac{9}{l} \\ V & \\ \cdots & \\ \Delta & \\ & 3: 2 \end{array}$ |
| $\frac{p l}{\varepsilon}: \frac{q z}{\tau \imath}$ $2: 1$ |  |  |  |
| $\frac{p l}{\varepsilon}: \frac{l}{\varepsilon}$ |  | $L: G$   <br>    <br> $N+\omega$  $N$ <br> $\cdots$  $\cdots$ <br> $\sim$  $m$ |  |

## BIG SQUARE PUZZLE TEMPLATE

|  |  |  |  |
| :--- | :--- | :--- | :--- |

