

Locating Numbers

Each number line is labeled with base-ten blocks.

1 Write the number that matches each label. Draw a line to show where each unconnected label belongs.

A horizontal number line with arrows at both ends and five tick marks. Below the line are five ovals, each containing a different number of vertical bars (representing tens blocks) and a square box below it. The ovals contain 0, 1, 2, 3, and 4 vertical bars respectively. The second oval from the left has a box containing the number '20'. Below the number line are three more ovals, each containing a different combination of vertical bars and dots (representing ones blocks) and a square box below it. The first oval has 3 vertical bars and 5 dots. The second oval has 1 vertical bar and 5 dots. The third oval has 2 vertical bars and 2 dots. A dashed line starts from the top of the fourth oval (3 vertical bars) and curves to the right, ending at the top of the fifth oval (4 vertical bars).

2 Write the number that matches each label. Draw a line to show where each unconnected label belongs.

A horizontal number line with arrows at both ends and five tick marks. Below the line are five ovals, each containing a different number of squares (representing hundreds blocks) and a square box below it. The ovals contain 0, 1, 2, 3, and 4 squares respectively. Below the number line are three more ovals, each containing a different combination of squares and dots (representing ones blocks) and a square box below it. The first oval has 2 squares and 2 dots. The second oval has 4 vertical bars and 5 dots. The third oval has 1 square and 5 dots.

Least to Greatest Cards

(Addition with Three-Digit Numbers)



$$\begin{array}{r} 925 \\ + 38 \\ \hline \end{array}$$

$$\begin{array}{r} 694 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 359 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 481 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 227 \\ + 121 \\ \hline \end{array}$$

$$\begin{array}{r} 711 \\ + 190 \\ \hline \end{array}$$

$$\begin{array}{r} 327 \\ + 468 \\ \hline \end{array}$$

$$\begin{array}{r} 270 \\ + 139 \\ \hline \end{array}$$

$$\begin{array}{r} 159 \\ + 329 \\ \hline \end{array}$$

$$\begin{array}{r} 284 \\ + 283 \\ \hline \end{array}$$

$$\begin{array}{r} 360 \\ + 386 \\ \hline \end{array}$$

$$\begin{array}{r} 186 \\ + 64 \\ \hline \end{array}$$

$$\begin{array}{r} 145 \\ + 38 \\ \hline \end{array}$$

$$\begin{array}{r} 462 \\ + 368 \\ \hline \end{array}$$

$$\begin{array}{r} 326 \\ + 356 \\ \hline \end{array}$$

$$\begin{array}{r} 352 \\ + 269 \\ \hline \end{array}$$

Introducing the Cross Number Puzzle

1 In a Cross Number Puzzle, amounts on both sides of a heavy line must be the same. Fill in the blanks to complete this Cross Number Puzzle and the related addition sentences.

1	2	3
4	3	
	5	10

$$\begin{array}{r} 1 \\ + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} 2 \\ + 3 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 3 \\ + \square \\ \hline 10 \end{array}$$

$$\begin{array}{r} 1 + 2 = 3 \\ 4 + 3 = \square \\ \square + 5 = 10 \end{array}$$

Complete each Cross Number Puzzle and number sentence.

2

\square		•	numbers
			337
			256

$$\begin{array}{r} 337 \\ + 256 \\ \hline \square \end{array}$$

The blocks will not be the fewest blocks that match the total sum. You may want to draw another picture that shows fewest blocks to help you find the sum.

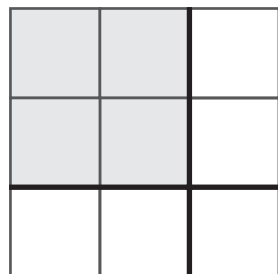
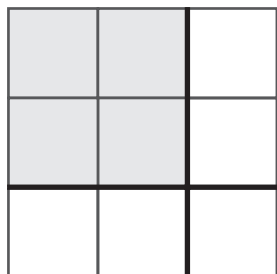
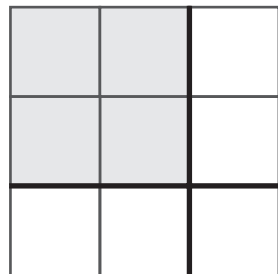
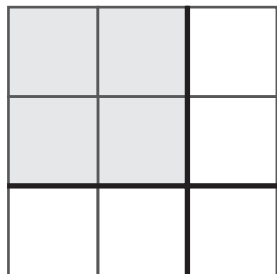
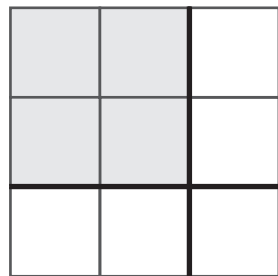
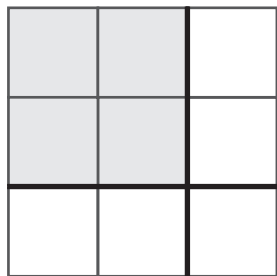
3

\square		•	numbers
			530
			195

$$\begin{array}{r} 530 \\ + 195 \\ \hline \square \end{array}$$

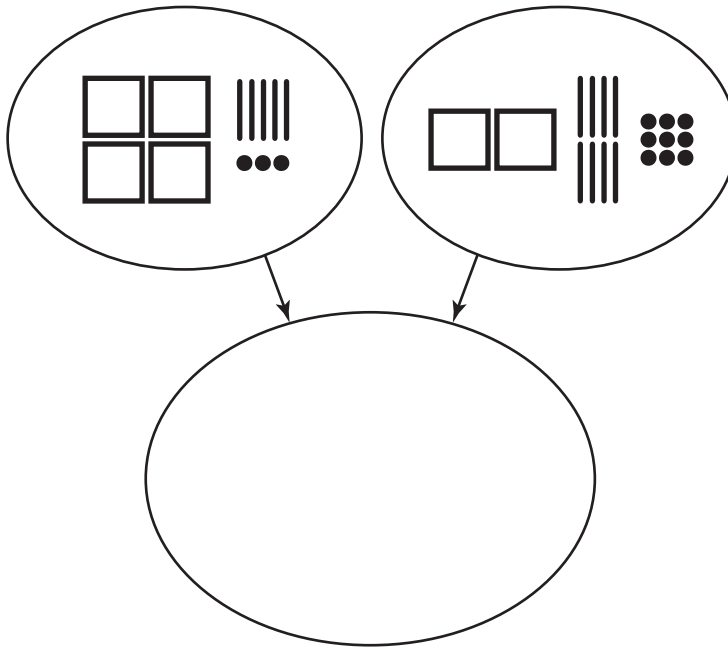
The blocks will not be the fewest blocks that match the total sum. You may want to draw another picture that shows fewest blocks to help you find the sum.

Blank Cross Number Puzzles



Finding $453 + 289$ in Three Ways

- 1 Show the sum with fewest blocks.



- 2 Fill in the missing numbers in the Cross Number Puzzle.

400		3	453
	80	9	289

- 3 Find the sum.

$$\begin{array}{r}
 453 \\
 + 289 \\
 \hline
 \square
 \end{array}$$

Least to Greatest Cards (Subtraction with Three-Digit Numbers)



$$\begin{array}{r} 963 \\ - 38 \\ \hline \end{array}$$

$$\begin{array}{r} 703 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 385 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 504 \\ - 23 \\ \hline \end{array}$$

$$\begin{array}{r} 348 \\ - 121 \\ \hline \end{array}$$

$$\begin{array}{r} 901 \\ - 711 \\ \hline \end{array}$$

$$\begin{array}{r} 795 \\ - 327 \\ \hline \end{array}$$

$$\begin{array}{r} 409 \\ - 270 \\ \hline \end{array}$$

$$\begin{array}{r} 488 \\ - 159 \\ \hline \end{array}$$

$$\begin{array}{r} 567 \\ - 284 \\ \hline \end{array}$$

$$\begin{array}{r} 746 \\ - 360 \\ \hline \end{array}$$

$$\begin{array}{r} 250 \\ - 64 \\ \hline \end{array}$$

$$\begin{array}{r} 183 \\ - 38 \\ \hline \end{array}$$

$$\begin{array}{r} 830 \\ - 462 \\ \hline \end{array}$$

$$\begin{array}{r} 682 \\ - 326 \\ \hline \end{array}$$

$$\begin{array}{r} 621 \\ - 269 \\ \hline \end{array}$$

Subtracting with Cross Number Puzzles

This Cross Number Puzzle cannot be solved as given.

- 1 Circle the column or columns that cause the problem.

□□		●●●	256
□		●●●●	138

- 2 Make trades in the top row so the puzzle can be solved. Then solve it.

			256
□		●●●●	138

3 Solve:

$$\begin{array}{r} 256 \\ - 138 \\ \hline \square \end{array}$$

This Cross Number Puzzle cannot be solved as given.

- 4 Circle the column or columns that cause the problem.

□□□□		●●●	725
□□□			530

- 5 Make trades in the top row so the puzzle can be solved. Then solve it.

			725
□□□			530

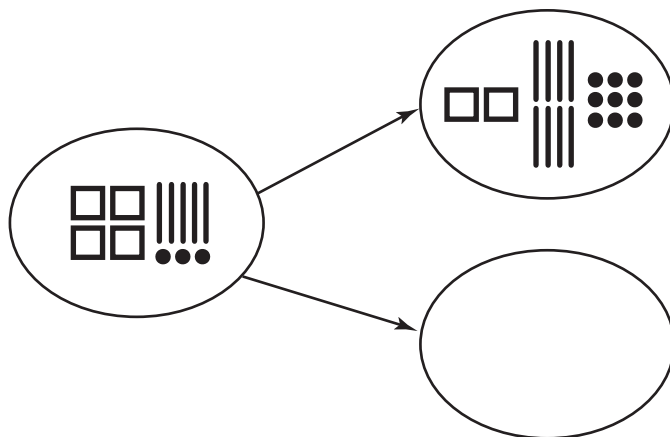
6 Solve:

$$\begin{array}{r} 725 \\ - 530 \\ \hline \square \end{array}$$

Blank Three-Digit Cross Number Puzzle

Finding 453 – 289 in Three Ways

- 1 Show the difference with base-ten blocks.
(You may need to make trades so you can make the smaller piles.)



- 2 Fill in the missing numbers in the Cross Number Puzzle.

			453
200	80	9	289

- 3 Find the difference.

$$\begin{array}{r}
 453 \\
 - 289 \\
 \hline
 \square
 \end{array}$$