
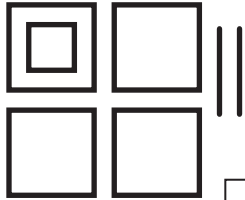
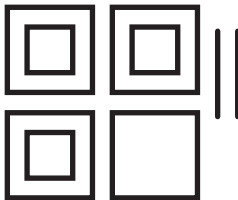
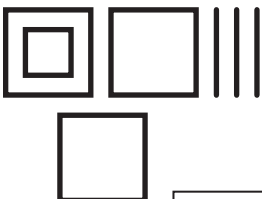
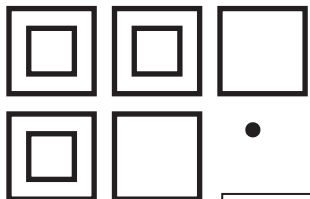
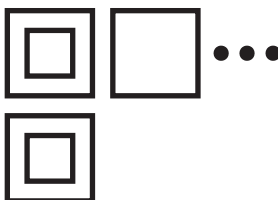


Grouping by Tens

Write a number or draw a picture to match.
When drawing a picture, use the fewest blocks.

<p>1 </p> <p style="text-align: center; border: 1px solid black; padding: 5px;">1,032</p>	<p>2</p> <p style="text-align: center; border: 1px solid black; padding: 5px;">3,012</p>	<p>3 </p> <p style="text-align: center; border: 1px solid black; padding: 5px; width: 100px;"> </p>
<p>4</p> <p style="text-align: center; border: 1px solid black; padding: 5px;">3,210</p>	<p>5 </p> <p style="text-align: center; border: 1px solid black; padding: 5px; width: 100px;"> </p>	<p>6</p> <p style="text-align: center; border: 1px solid black; padding: 5px;">3,102</p>
<p>7 </p> <p style="text-align: center; border: 1px solid black; padding: 5px; width: 100px;"> </p>	<p>8</p> <p style="text-align: center; border: 1px solid black; padding: 5px;">2,031</p>	<p>9 </p> <p style="text-align: center; border: 1px solid black; padding: 5px; width: 100px;"> </p>
<p>10</p> <p style="text-align: center; border: 1px solid black; padding: 5px;">1,302</p>	<p>11 </p> <p style="text-align: center; border: 1px solid black; padding: 5px; width: 100px;"> </p>	<p>12</p> <p style="text-align: center; border: 1px solid black; padding: 5px;">2,310</p>

13 Write the numbers from Problems 1–12 in order from least to greatest.

Rounding to the Nearest Ten or Hundred

List as many numbers as you can for each situation.

① If you round me to the nearest ten, you get 380.
I am greater than 380.

② If you round me to the nearest ten, you get 270.
I am less than 270.

③ If you round me to the nearest ten, you get 320.

④ If you round me to the nearest ten, you get 450.
If you round me to the nearest hundred,
you get 500.

Finding Differences on the Number Line

Complete the table. Use the blank space for number line pictures if you wish.

x	$1,000 - x$
460	540
520	
954	
749	
777	
646	
121	
385	
869	
913	

Using Tens and Hundreds to Estimate Sums

Write a set of instructions that would help a friend decide if a pair of two-digit numbers have a sum of 100. Your instructions should work for pairs like $30 + 70$ and $48 + 52$.

Estimate and Adjust to Find Sums

1 For each addition problem, predict the ones digit.

A

$$\begin{array}{r} 823 \\ + 439 \\ \hline \end{array}$$

B

$$\begin{array}{r} 2,765 \\ + 3,964 \\ \hline \end{array}$$

C

$$\begin{array}{r} 5,785 \\ + 3,437 \\ \hline \end{array}$$

2 For each addition problem, predict the tens digit.

A

$$\begin{array}{r} 823 \\ + 439 \\ \hline \end{array}$$

B

$$\begin{array}{r} 2,765 \\ + 3,964 \\ \hline \end{array}$$

C

$$\begin{array}{r} 5,785 \\ + 3,437 \\ \hline \end{array}$$

3 For each addition problem, predict the hundreds digit.

A

$$\begin{array}{r} 823 \\ + 439 \\ \hline \end{array}$$

B

$$\begin{array}{r} 2,765 \\ + 3,964 \\ \hline \end{array}$$

C

$$\begin{array}{r} 5,785 \\ + 3,437 \\ \hline \end{array}$$

4 For each addition problem, predict the thousands digit.

A

$$\begin{array}{r} 823 \\ + 439 \\ \hline \end{array}$$

B

$$\begin{array}{r} 2,765 \\ + 3,964 \\ \hline \end{array}$$

C

$$\begin{array}{r} 5,785 \\ + 3,437 \\ \hline \end{array}$$

Using Cross Number Puzzles to Add

Complete each Cross Number Puzzle.

1

300		9	319
	80		681
		10	

2

600		4	694
	0		306
900			

3

400			454
500		6	546
	90		

4

	10		117
800		3	883
		10	

5

	20		722
200		8	278
900			

6

800			854
100	40		146
		10	

7

		8	298
	0		702
900		10	

8

500			507
	90		493
900		10	

Using a Common Addition Algorithm

Some of the digits are missing from these addition problems. Write the missing digits.

1

$$\begin{array}{r} \square \quad 1 \quad 5 \\ + \quad 3 \quad \square \quad \square \\ \hline 6 \quad 9 \quad 0 \end{array}$$

2

$$\begin{array}{r} 5 \quad 8 \quad \square \\ + \quad 3 \quad \square \quad 4 \\ \hline \square \quad 1 \quad 4 \end{array}$$

3

$$\begin{array}{r} 3 \quad \square \quad 1 \\ + \quad 4 \quad 7 \quad \square \\ \hline \square \quad 5 \quad 7 \end{array}$$

4

$$\begin{array}{r} \square \quad 9 \quad \square \\ + \quad 4 \quad \square \quad 9 \\ \hline 7 \quad 1 \quad 7 \end{array}$$

5

$$\begin{array}{r} 3 \quad 5 \quad \square \\ + \quad 1 \quad \square \quad 4 \\ \hline \square \quad 6 \quad 1 \end{array}$$

6

$$\begin{array}{r} \square \quad 1 \quad 5 \\ + \quad 6 \quad \square \quad \square \\ \hline 7 \quad 6 \quad 4 \end{array}$$

7

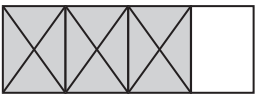
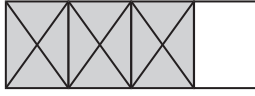
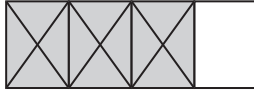
$$\begin{array}{r} \square \quad 7 \quad \square \\ + \quad 1 \quad \square \quad 4 \\ \hline 8 \quad 5 \quad 2 \end{array}$$

8

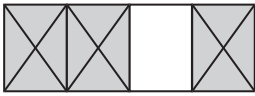
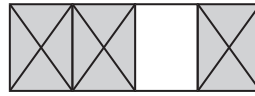
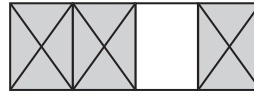
$$\begin{array}{r} 2 \quad \square \quad 7 \\ + \quad 2 \quad 9 \quad \square \\ \hline \square \quad 3 \quad 6 \end{array}$$

Estimate and Adjust to Find Differences

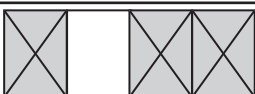
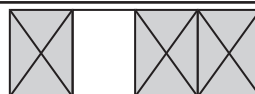
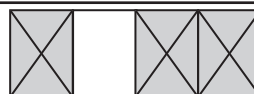
1 For each subtraction problem, predict the ones digit.

<p>A</p> $\begin{array}{r} 2, 2 \ 6 \ 2 \\ - \quad 8 \ 2 \ 3 \\ \hline \end{array}$ 	<p>B</p> $\begin{array}{r} 6, 7 \ 2 \ 9 \\ - \quad 3, 9 \ 6 \ 4 \\ \hline \end{array}$ 	<p>C</p> $\begin{array}{r} 9, 2 \ 2 \ 2 \\ - \quad 5, 7 \ 8 \ 5 \\ \hline \end{array}$ 
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2 For each subtraction problem, predict the tens digit.

<p>A</p> $\begin{array}{r} 2, 2 \ 6 \ 2 \\ - \quad 8 \ 2 \ 3 \\ \hline \end{array}$ 	<p>B</p> $\begin{array}{r} 6, 7 \ 2 \ 9 \\ - \quad 3, 9 \ 6 \ 4 \\ \hline \end{array}$ 	<p>C</p> $\begin{array}{r} 9, 2 \ 2 \ 2 \\ - \quad 5, 7 \ 8 \ 5 \\ \hline \end{array}$ 
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3 For each subtraction problem, predict the hundreds digit.

<p>A</p> $\begin{array}{r} 2, 2 \ 6 \ 2 \\ - \quad 8 \ 2 \ 3 \\ \hline \end{array}$ 	<p>B</p> $\begin{array}{r} 6, 7 \ 2 \ 9 \\ - \quad 3, 9 \ 6 \ 4 \\ \hline \end{array}$ 	<p>C</p> $\begin{array}{r} 9, 2 \ 2 \ 2 \\ - \quad 5, 7 \ 8 \ 5 \\ \hline \end{array}$ 
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4 For each subtraction problem, predict the thousands digit.

<p>A</p> $\begin{array}{r} 2, 2 \ 6 \ 2 \\ - \quad 8 \ 2 \ 3 \\ \hline \end{array}$ 	<p>B</p> $\begin{array}{r} 6, 7 \ 2 \ 9 \\ - \quad 3, 9 \ 6 \ 4 \\ \hline \end{array}$ 	<p>C</p> $\begin{array}{r} 9, 2 \ 2 \ 2 \\ - \quad 5, 7 \ 8 \ 5 \\ \hline \end{array}$ 
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Using Cross Number Puzzles to Subtract

Complete each Cross Number Puzzle.

1

			1,000
600	80	1	681

2

			1,000
300	0	6	306

3

			1,000
400	50	4	454

4

			1,000
100	10	7	117

5

			1,000
700	20	2	722

6

			1,000
800	50	4	854

7

			1,000
200	90	8	298

8

			1,000
500	0	7	507

Using a Common Subtraction Algorithm

Some of the digits are missing from these subtraction problems. Write the missing digits.

①

$$\begin{array}{r} 690 \\ - 3\ \square\square \\ \hline \square 15 \end{array}$$

②

$$\begin{array}{r} \square 14 \\ - 3\square 4 \\ \hline 58\square \end{array}$$

③

$$\begin{array}{r} \square 57 \\ - 47\square \\ \hline 3\square 1 \end{array}$$

④

$$\begin{array}{r} 717 \\ - \square 9\square \\ \hline 4\square 9 \end{array}$$

⑤

$$\begin{array}{r} \square 61 \\ - 1\square 4 \\ \hline 35\square \end{array}$$

⑥

$$\begin{array}{r} 764 \\ - 6\square\square \\ \hline \square 15 \end{array}$$

⑦

$$\begin{array}{r} 852 \\ - 1\square 4 \\ \hline \square 7\square \end{array}$$

⑧

$$\begin{array}{r} \square 36 \\ - 29\square \\ \hline 2\square 7 \end{array}$$

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