

MY Homework

Lesson 7

Subtract Across Zeros

Homework Helper



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Makenna won 3,000 tickets playing an arcade game. She used 1,872 tickets to buy a prize. How many tickets does she have left?

$$3,000 - 1,872 = \square \quad \leftarrow \text{Find the unknown.}$$

Estimate $3,000 - 1,900 = 1,100$

1 Regroup 1 thousand, 1 hundred, and 1 ten.

$$\begin{array}{r} 9 \quad 9 \\ 2 \quad \cancel{10} \quad \cancel{10} \quad 10 \\ \cancel{3}, \quad \cancel{0} \quad \cancel{0} \quad 0 \\ - 1,872 \\ \hline \end{array}$$

2 Subtract, starting at the place farthest to the right.

$$\begin{array}{r} 9 \quad 9 \\ 2 \quad \cancel{10} \quad \cancel{10} \quad 10 \\ \cancel{3}, \quad \cancel{0} \quad \cancel{0} \quad 0 \\ - 1,872 \\ \hline 1,128 \end{array}$$

Check

$$\begin{array}{r} 1,128 \\ + 1,872 \\ \hline 3,000 \end{array}$$

Addition shows the answer is correct.

1,128 is close to the estimate of 1,100. Estimation shows the answer is reasonable.

Practice

Subtract. Use addition to check.

1.
$$\begin{array}{r} \square \quad \square \\ 5 \quad 0 \quad 7 \\ - \quad 9 \quad 4 \\ \hline \square \quad \square \quad \square \end{array}$$

Check:

$$\begin{array}{r|l} + & \\ \hline & \end{array}$$

2.
$$\begin{array}{r} \square \\ \square \quad \square \quad \square \\ 8 \quad 0 \quad 4 \\ - 6 \quad 6 \quad 7 \\ \hline \square \quad \square \quad \square \end{array}$$

Check:

$$\begin{array}{r|l} + & \\ \hline & \end{array}$$

3.
$$\begin{array}{r} \square \quad \square \\ \square \quad \square \quad \square \quad \square \\ 4, \quad 0 \quad 0 \quad 0 \\ - \quad 9 \quad 6 \quad 9 \\ \hline \square \quad \square \quad \square \quad \square \end{array}$$

Check:

$$\begin{array}{r|l} + & \\ \hline & \end{array}$$

Subtract. Use addition to check your answer.

4.

7,	0	0	5
—	9	4	1

Check:

+			

5.

4	0	0
—	1	5

Check:

+		

6.

3,	0	0	0
—	1,	2	0

Check:

+			

Algebra Subtract to find the unknown.

7. $\$3,008 - \$1,053 = \blacksquare$

—			

$\blacksquare = \underline{\hspace{2cm}}$

8. $8,200 - 875 = \blacksquare$

—			

$\blacksquare = \underline{\hspace{2cm}}$

9. $9,001 - 3,860 = \blacksquare$

—			

$\blacksquare = \underline{\hspace{2cm}}$



Problem Solving

Mathematical PRACTICE



Understand Symbols Write a number sentence.

10. A bag holds 5,300 seeds. Brandon plants 790 of the seeds.
How many seeds are left?

11. Amy's book has 500 pages. She has read 245 pages so far.
How many pages does Amy have left to read?

Test Practice

12. How many more points did Jocelyn score?

- (A) 64 points (C) 164 points
(B) 74 points (D) 174 points

