

MY Homework

Lesson 8

Add Four-Digit Numbers

Homework Helper



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The circus had an attendance of 7,245 people in the bleachers and 1,877 people in the box seats for the Friday night show. How many people attended the circus altogether?

Find $7,245 + 1,877$.

Estimate $7,200 + 1,900 = 9,100$

1

Add the ones.

5 ones + 7 ones = 12 ones
Regroup 12 ones as 1 ten and 2 ones.

2

Add the tens.

1 ten + 4 tens + 7 tens = 12 tens
Regroup 12 tens as 1 hundred and 2 tens.

3

Add the hundreds and thousands.

1 hundred + 2 hundreds + 8 hundreds = 11 hundreds
Regroup 11 hundreds as 1 thousand and 1 hundred.
1 thousand + 7 thousands + 1 thousand = 9 thousands

$$\begin{array}{r}
 1 \quad 1 \quad 1 \\
 7,245 \\
 + 1,877 \\
 \hline
 9,122
 \end{array}$$

Check for reasonableness.

9,122 is close to the estimate of 9,100.
The answer is reasonable.

$$7,245 + 1,877 = 9,122.$$

On Friday night, 9,122 people attended the circus.

Practice

Add. Check for reasonableness.

1.

$$\begin{array}{|c|c|c|c|}
 \hline
 4, & 0 & 9 & 1 \\
 + & 2, & 2 & 3 & 8 \\
 \hline
 & & & & \\
 \hline
 \end{array}$$

2.

$$\begin{array}{|c|c|c|c|c|}
 \hline
 \$ & 5, & 0 & 4 & 5 \\
 + & \$ & 3, & 9 & 9 & 9 \\
 \hline
 & & & & & \\
 \hline
 \end{array}$$

Add. Check for reasonableness.

3.

2,	0	8	8
+ 6,	3	4	6

4.

4,	4	6	3
+ 4,	8	1	9

5.

3,	8	6	6
+ 4,	7	2	7

6. Use the Commutative Property to check your answer to Exercise 3.

6,	3	4	6
+ 2,	0	8	8

Algebra Add to find each unknown.

7. $7,028 + 2,578 = \blacksquare$

8. $5,724 + 2,197 = \blacksquare$

9. $4,999 + 4,265 = \blacksquare$

7,	0	2	8
+ 2,	5	7	8

5,	7	2	4
+ 2,	1	9	7

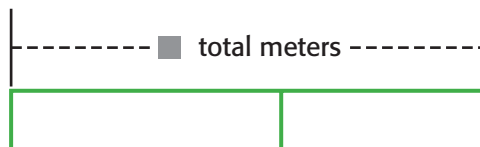
4,	9	9	9
+ 4,	2	6	5

The unknown is _____. The unknown is _____. The unknown is _____.



Problem Solving

10. PRACTICE **Use Algebra** Rachael ran 3,012 meters on Monday and 5,150 meters on Wednesday. How many meters did she run altogether? Write a number sentence with a symbol for the unknown. Then solve.



Test Practice

11. Mr. Shelton worked 1,976 hours one year and 2,080 hours the next year. What is the total number of hours Mr. Shelton worked in those two years?

- (A) 3,056 hours (C) 4,156 hours
- (B) 3,956 hours (D) 4,056 hours