

# MY Homework

## Lesson 6

### Problem Solving: Extra or Missing Information

## Homework Helper



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Arthur will cut a 12-foot board into 4 equal pieces. If it takes him 10 minutes to cut the board how long will each piece be?

### 1 Understand

#### What facts do you know?

Arthur has a 12-foot long board.  
He will cut the board into 4 equal pieces.  
It will take 10 minutes to cut the board.

#### What do you need to find?

the length of the 4 pieces

### 2 Plan

Decide which facts are important.

- the length of the board being cut
- the number of pieces being cut

### 3 Solve

Divide the board's length by the number of pieces being cut.

$$12 \div 4 = 3.$$

So, each piece will be 3 feet long.

### 4 Check

#### Does the answer make sense?

Use the inverse operation, multiplication, to check.

$$3 \times 4 = 12$$

So, the answer is reasonable.

### Extra Information

It will take him 10 minutes  
to cut the board.



## Problem Solving

Determine if there is extra or missing information to solve each problem. Then solve if possible.

1. Brandy ate 9 corn chips for a snack. She ate twice as many raisins. She also drank a juice box. How many raisins did Brandy eat?

**18 raisins; extra information: Brandy also**

**drank a juice box.**

2. Miguel bought a movie ticket that cost \$5. He also bought popcorn and a bottle of water. How much did Miguel spend altogether?

**missing information: cost of popcorn**

**and water**

3. Annie has basketball practice from 2:30 P.M. to 4:00 P.M. She makes 10 free throws every practice. How many free throws does she make in 4 practices?


**40 free throws; extra information: Annie is**

**at practice from 2:30 P.M. to 4:00 P.M.**

4. Naya has 12 flowers. She gives away 6 to Jane and 3 to Heather. Hannah does not have any flowers. How many flowers does Naya have left?

**3 flowers; extra information: Hannah has**

**no flowers**

5. **Mathematical PRACTICE**  **Draw a Conclusion** Juan bought two new tires for his bike. He also had the bike tuned up. The total bill was \$65. How much did Juan spend on the 2 tires?

**missing information: the cost of the**

**tune up**

My Work!

