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?

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

🞾 Plan

Decide which facts are important.

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

Extra

Information It will take him 10 minutes to cut the board.

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.

Check

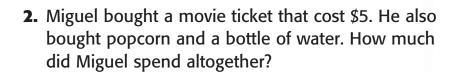
Does the answer make sense?

Use the inverse operation, multiplication, to check.

 $3 \times 4 = 12$

So, the answer is reasonable.

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?



- 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?
- 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?
- 5. 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?

