



Write an equation for the situation and then solve it.

The top three gold-producing countries produce 1171 tonnes (metric tons) of gold. South Africa produces 584 tonnes. Australia produces 256 tonnes. The United States produces u tonnes. How much does the United States produce?

— Understand —

1. Circle the number of tonnes produced by each country.
2. How many tonnes are produced by the three countries? _____

— Plan —

3. What operation would you use to find the total number of tonnes produced by the three countries? _____
4. Write an expression showing the number of tonnes produced by the three countries. _____

— Solve —

5. Write an equation showing the gold production for the three countries. Use your answer to Item 4 as one side of the equation.

6. How much gold did South Africa and Australia produce in all? _____
7. Substitute the total tonnes produced by South Africa and Australia for the two values in your equation. Rewrite the equation.

8. Solve the equation. How much does the United States produce? _____

— Look Back —

9. How can you check your answer to be sure it is correct?

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| SOLVE ANOTHER PROBLEM |
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Write and solve an equation: One year, Ghana produced 26 tonnes of gold, Mexico produced 9 tonnes, and China produced g tonnes. Together they produced 155 tonnes. How much did China produce?
