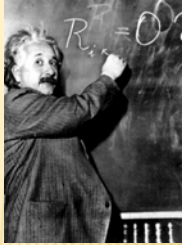



MasterMath


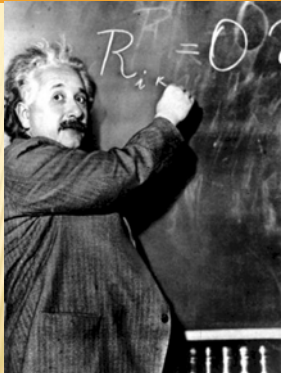


Algebra

WRITING EQUATIONS IN ONE VARIABLE



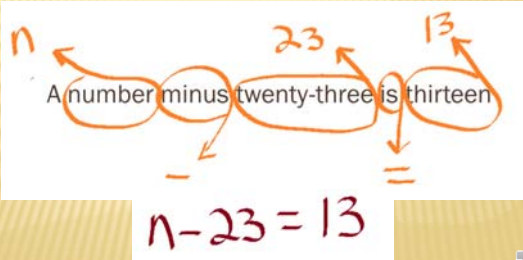
WRITING EQUATIONS IN ONE VARIABLE




WRITING EQUATIONS IN ONE VARIABLE

Translating from English to Algebra

A number minus twenty-three is thirteen



$n - 23 = 13$



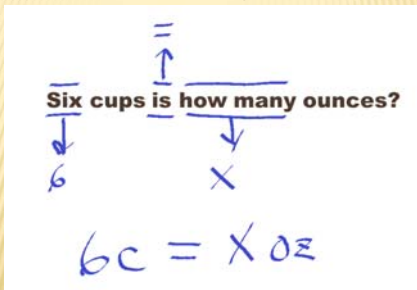
WRITING EQUATIONS IN ONE VARIABLE

Six cups is how many ounces?

You Try

WRITING EQUATIONS IN ONE VARIABLE

Six cups is how many ounces?



You Try

WRITING EQUATIONS IN ONE VARIABLE

CUCCV

CIRCLE THE NUMBERS

UNDERLINE THE QUESTION

COUNT

CHECK YOUR ANSWER

VARIABLE




WRITING EQUATIONS IN ONE VARIABLE

CUCCV

Fanny and Freddie sold lemonade at a stand in front of their house. Freddie was in charge of making the lemonade, and Fanny was in charge of counting the money. On Saturday, they sold \$27.00 worth of lemonade, some to family, and some to neighbors. Each cup of lemonade costs 75¢. Most people thought the lemonade was very good, and promised they would buy some again next weekend. How many cups of lemonade did Fanny and Freddie sell?

$\$27.00 = .75x$

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WRITING EQUATIONS IN ONE VARIABLE


Recess Bell!

When a third grader was asked to cite Newton's first law, she said, "Bodies in motion remain in motion, and bodies at rest stay in bed unless their mothers call them to get up."

Q: What is the name of the first electricity detective?
A: Sherlock Ohms

Q: What did one quantum physicist say when he wanted to fight another quantum physicist?
A: Let me atom.


Einstein's favorite limerick was:
 There was an old lady called Wright
 who could travel much faster than light.
 She departed one day
 in a relative way
 and returned on the previous night.



WRITING EQUATIONS IN ONE VARIABLE

Thirteen farmers formed a co-op market to help sell their produce. On Saturday mornings, they would take turns manning the stand along the road, selling tomatoes, corn, cucumbers, lettuce, beans and potatoes. Sometimes family members joined in and helped them. The stand would stay open from 8AM until 4PM, and on a typical Saturday, they would sell \$900 worth of produce. Because the farmers were all friends, and didn't want a lot of paper work, they all agreed to contribute about the same amount of produce, and then split the proceeds of the day's sales evenly between themselves. On a typical Saturday, how much money did each farmer make from the produce stand?

You Try



WRITING EQUATIONS IN ONE VARIABLE

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$x = 900 \div 13 = \$69.23$

$13 \text{ farmers} \times \$69.23 = \$900$

WRITING EQUATIONS IN ONE VARIABLE

Stephanie was very good at running long distances, and she practiced every day: running home from school, running to the playground and back, and running with her dog. This spring, she plans to try out for the track team, hoping to be able to run the 1,500 meter race. The track coach told her that she needs to be able to run the event in under 5 minutes and forty seconds in order to make the team. Stephanie's father has been timing her, and the best time Stephanie has run is six minutes and 5 seconds. How many seconds improvement does Stephanie need to make in order to make the track team?

You Try

WRITING EQUATIONS IN ONE VARIABLE

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$i = 6 \text{ min } 5 \text{ sec} - 5 \text{ min } 40 \text{ sec}$

$i = 365 \text{ sec} - 340 \text{ sec}$

$i = 25 \text{ sec}$

You Try
