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| **Examples** | |
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|  | |  |  |  | | --- | --- | --- | | Example | If 4 is subtracted from twice a number, the result is 10 less than the number. Find the number. | | |  |  |  | |  | **What is your answer?** | | | http://algebralab.org/images/spacer35.gif |  |  |  |  |  |  | | --- | --- | --- | | Example | Karin’s mom runs a dairy farm. Last year Betty the cow gave 375 gallons less than twice the amount from Bessie the cow. Together, Betty and Bessie produced 1464 gallons of milk. How many gallons did each cow give? | | |  |  |  | |  | **What is your answer?** | | | http://algebralab.org/images/spacer35.gif |  |  |  |  |  |  | | --- | --- | --- | | Example | Twice a number is added to the number and the answer is 90. Find the number. | | |  |  |  | |  | **What is your answer?** | | | http://algebralab.org/images/spacer35.gif |  |  |  |  |  |  | | --- | --- | --- | | Example | Jose has a board that is 44 inches long. He wishes to cut it into two pieces so that one piece will be 6 inches longer than the other. How long should the shorter piece be? | | |  |  |  | |  | **What is your answer?** | | | http://algebralab.org/images/spacer35.gif |  |  |  |  |  |  | | --- | --- | --- | | Example | Paula received a paycheck of $585. This amount reflects her weekly earnings less 10% of her earnings for deductions. How much was she paid before deductions were taken out? | | |  |  |  | |  | **What is your answer?** | | | http://algebralab.org/images/spacer35.gif |  |  |  |  |  |  | | --- | --- | --- | | Example | The [perimeter](javascript:def('/Glossary/glossaryterm.aspx?word=Perimeter',%20500,%20500);) of a triangular lot is 72 meters. One [side](javascript:def('/Glossary/glossaryterm.aspx?word=Side',%20500,%20500);) is 16 meters, and the other [side](javascript:def('/Glossary/glossaryterm.aspx?word=Side',%20500,%20500);) is twice the first side. Find the [length](javascript:def('/Glossary/glossaryterm.aspx?word=Length',%20500,%20500);) of the third side. | | |  |  |  | |  | **What is your answer?** | | |