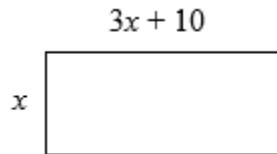


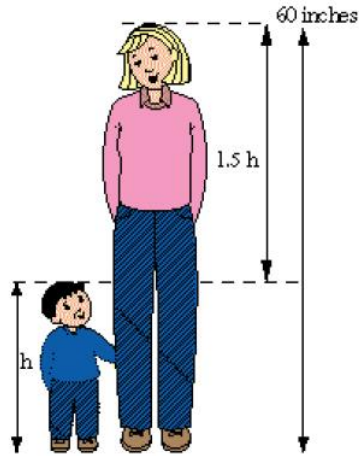
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8.17

- The perimeter of the fenced area shown is 260 meters. What is the measure of the side that is labeled x in the figure shown? Explain your reasoning.



- The figure below shows the heights of Rebecca and her brother Daniel.



What is Daniel's height (h)?

- Using the given key, write a multistep linear equation to represent the model. Then solve and confirm your algebraic solution.

Key:

	= 1		= -1
	= x		= $-x$

=

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4. Mrs. Singh wrote this equation on the board.

$$\frac{1}{4}(2n - 28) = 10$$

What is the solution to the equation?

- A. $n = 17$
 - B. $n = 19$
 - C. $n = 34$
 - D. $n = 68$
5. Solve the equation below for p .

$$5p = 21 + 2p$$

- A. 3
 - B. 4
 - C. 7
 - D. 10
6. What value for x makes this equation true?

$$\frac{1}{2}(x - 9) = x - 23$$

- A. 16
 - B. 28
 - C. 37
 - D. 55
7. Provide the algebraic sentence that would represent the verbal sentence, “ten less than two-thirds of a number results in 15”.

Answer: _____

8. Provide the verbal expression that would represent the algebraic expression, $2(x - 3) + 7$.

Answer: _____

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