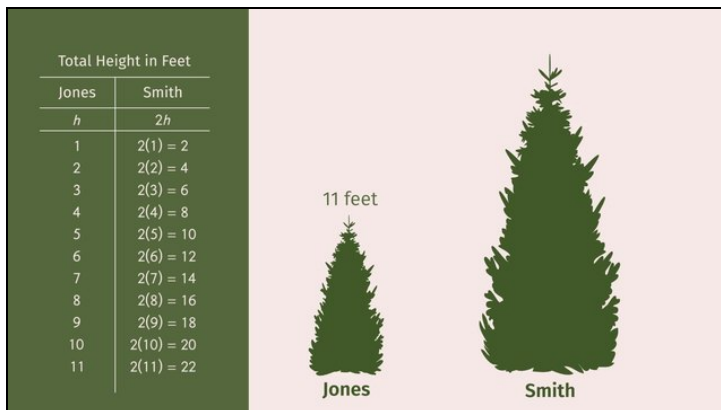




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# Writing and Evaluating Expressions with Multiplication and Division



- 1 Evaluate the expression  $4l + 200$  for the given  $l$  values.
- 2 Walk through the steps of picking a variable, setting up an expression, and completing a table.
- 3 Complete the table using the correct expression.
- 4 Complete the table to find the expression.
- 5 Determine the wanted values.
- 6 Express the word problem as an expression and evaluate.
- + with lots of tips, answer keys, and detailed answer explanations for all of the problems.



The complete package, including all problems, hints, answers, and detailed answer explanations is available for all [sofatutor.com](https://www.sofatutor.com) subscribers.



**Evaluate the expression  $4l + 200$  for the given  $l$  values.**

Match the elements.

$$4l + 200$$



$$l = 2 \quad \text{A}$$

$$l = 5 \quad \text{B}$$

$$l = 10 \quad \text{C}$$

$$l = 15 \quad \text{D}$$

$$\text{1} \quad 260$$

$$\text{2} \quad 208$$

$$\text{3} \quad 210$$

$$\text{4} \quad 250$$

$$\text{5} \quad 240$$

$$\text{6} \quad 220$$



## Hints for solving these problems

1  
of 6

Evaluate the expression  $4l + 200$  for the given  $l$  values.

### Hint #1

If you have to evaluate a given algebraic expression, just plug the value in for the variable.

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### Hint #2

$$(2)(20) = 40$$

Here you see an example with the algebraic expression  $2h$  and  $h = 20$ .

You see  $h$  is replaced by 20.

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## Answers and detailed answer explanations for these problems

1  
of 6

Evaluate the expression  $4l + 200$  for the given  $l$  values.

Answer key: A—2 // B—6 // C—5 // D—1

$$4l + 200$$

If you'd like to evaluate this algebraic expression for different values for  $l$ , just replace  $l$  by the values:

- $l = 2$  leads to  $(4)(2) + 200 = 8 + 200 = 208$
- $l = 5$  leads to  $(4)(5) + 200 = 20 + 200 = 220$
- $l = 10$  leads to  $(4)(10) + 200 = 40 + 200 = 240$
- $l = 15$  leads to  $(4)(15) + 200 = 60 + 200 = 260$