STUDYDADDY
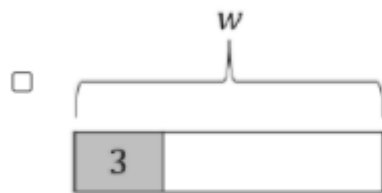
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Which answer choices represent 3 less than w? **Select all that apply.**
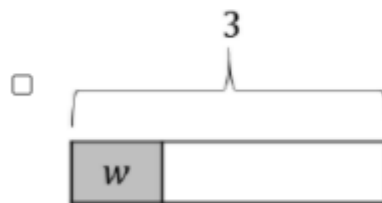
☐ $3 - w$

☐ $3 \div w$

☐ The value of the unshaded part in this model.

w

☐ $w - 3$

☐ The value of the unshaded part in this model.

3

☐ The value of the unshaded parts in this model.

Identify the property that is demonstrated by each equation. Select your answers from the drop-down lists.

$15 + 3 = 3 + 15$ demonstrates the [dropdown].

$0 + 9 = 9$ demonstrates the [dropdown].

$12 \cdot b = b \cdot 12$ demonstrates the [dropdown].

$1 \cdot f = f$ demonstrates the [dropdown].

The formula $V = l \times w \times h$ represents the volume of a right rectangular prism, **V**, with length **l**, width **w** and height **h**.

Which expressions represent the volume of a right rectangular prism, in cubic feet, with a length of **n** feet, a width of **n** feet, and a height of **6** feet? **Select all that apply.**

☐ $n + n + 6$

☐ $n^2 + 6$

☐ $n \times 6 \times n$

☐ $n \times n \times 6$

☐ $6 \times n^2$

☐ $(n \times n) + 6$

Evaluate.

- $4 + 2\,(7) = \boxed{18}$

- $6^2 + 8 \times 3 = \boxed{36}$

- $3\,(2+5) - 5\,(3) + 8 = \boxed{14}$

- $24 - 6 + 12 \div 2 \times 3 = \boxed{36}$

Three students were asked to evaluate two cubed. The beginning part of their work is shown.

Amy	Juan	Kristen
3^2	2^3	2^3
3×3	2×3	$2 \times 2 \times 2$

Which student's work is correct, and how do you know? What is the value of two cubed?
Select your answers from the drop-down lists.

[____ ▾] is correct because two cubed is the same as [_____ ▾]. The value of two cubed is [▾].

Which choices correctly represent exponential, expanded, and standard form? **Select all that apply.**

Exponential Form	Expanded Form	Standard Form
5^2	5×2	10

Exponential Form	Expanded Form	Standard Form
$\left(\dfrac{1}{3}\right)^3$	$\dfrac{1}{3} + \dfrac{1}{3} + \dfrac{1}{3}$	1

Exponential Form	Expanded Form	Standard Form
2^5	$2 \times 2 \times 2 \times 2 \times 2$	32

Exponential Form	Expanded Form	Standard Form
$\left(\dfrac{1}{3}\right)^3$	$\dfrac{1}{3} \times \dfrac{1}{3} \times \dfrac{1}{3}$	$\dfrac{1}{27}$

Consider the equation $30 \div x = 6$.

Part A

Which equation demonstrates how the divisor indicates the size of the unit?

- ○ $30 - x = 0$

- ● $30 - x - x - x - x - x = 0$

- ○ $x + x + x + x + x + x = 0$

- ○ $30 - x - x - x - x - x - x = 0$

Part B

What is the value of x ?

$x = \boxed{5}$

Which answer choices represent equivalent expressions that show the relationship between multiplication and addition? **Select all that apply.**

- ☐ 6×3
  $3 + 3 + 3 + 3 + 3 + 3$

- ☐ 8×3
  $3 + 8$

- ☐ $5 + 2$
  $2 \times 2 \times 2 \times 2 \times 2$

- ☐ $4 + 4 + 4 + 4 + 4$
  5×4

- ☐ 7×3
  $7 \times 7 \times 7$

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