Zack drank 8 ounces of water per hour. What is that rate in gallons per day?

A
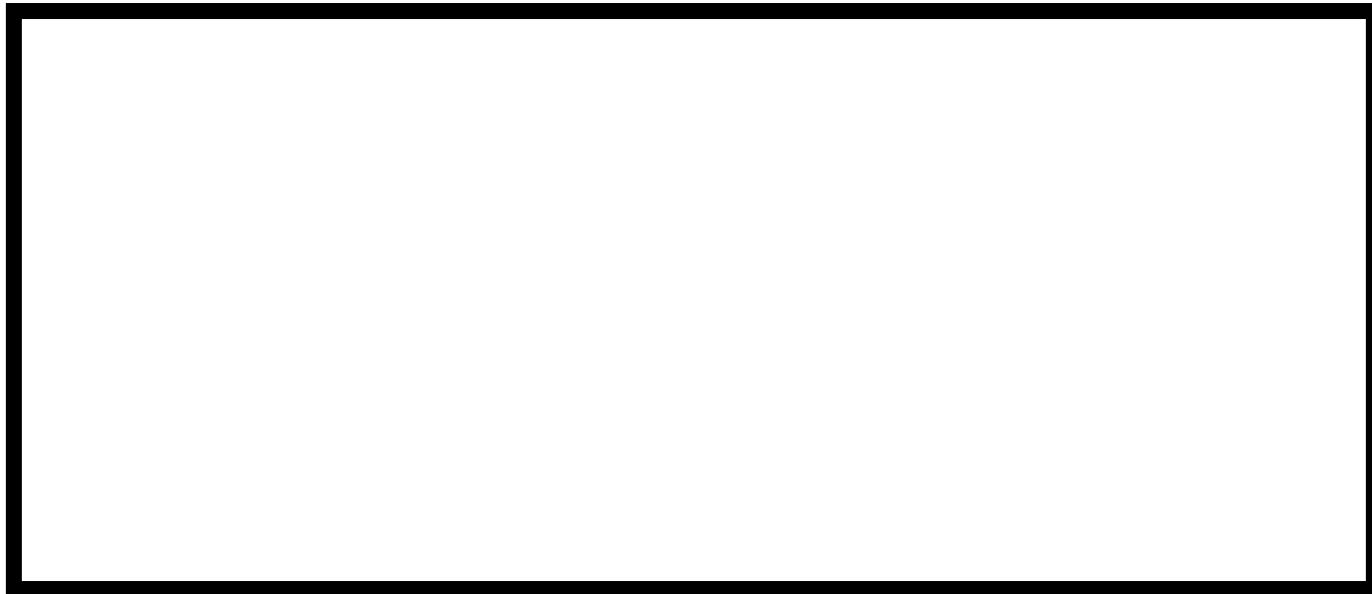
A UPS delivery box filled with playdough measures 8'' x 2'' x 10''. If one cubic inch is equal to 16.3871 cm^3, how many cm^3 of playdough can there be in the box?

B

Bri is saving for a summer vacation. She has money that she received for her birthday and she also saves the same amount each month. The equation y = 40x + 250 models this situation.

What does the 40 represent?

C

Bri is saving for a summer vacation. She has money that she received for her birthday and she also saves the same amount each month. The equation y = 40x + 250 models this situation.

What does the 250 represent?

D

Given the polynomial below. What is the leading coefficient, the name by degree, and the name by terms?

$$-6x^2 + 2x^3$$

E

Given the polynomial below. What is the leading coefficient, the name by degree, and the name by terms?

$$3x - 6x^2 + 2$$

F

Simplify: $(9x^6 - 4x^5) + (10x^5 - 15x^4 + 14)$

G

Simplify: $(-18x^2 + 4x - 16) - (15x^2 + 4x - 1)$
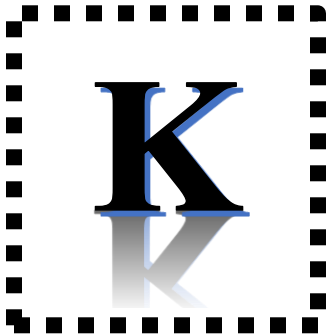
H

Simplify: $(4x + 5)^2$

Simplify: $(3x - 1)(x + 5)$

J

Simplify: $(2x - 3)(4x^2 + 8x - 2)$
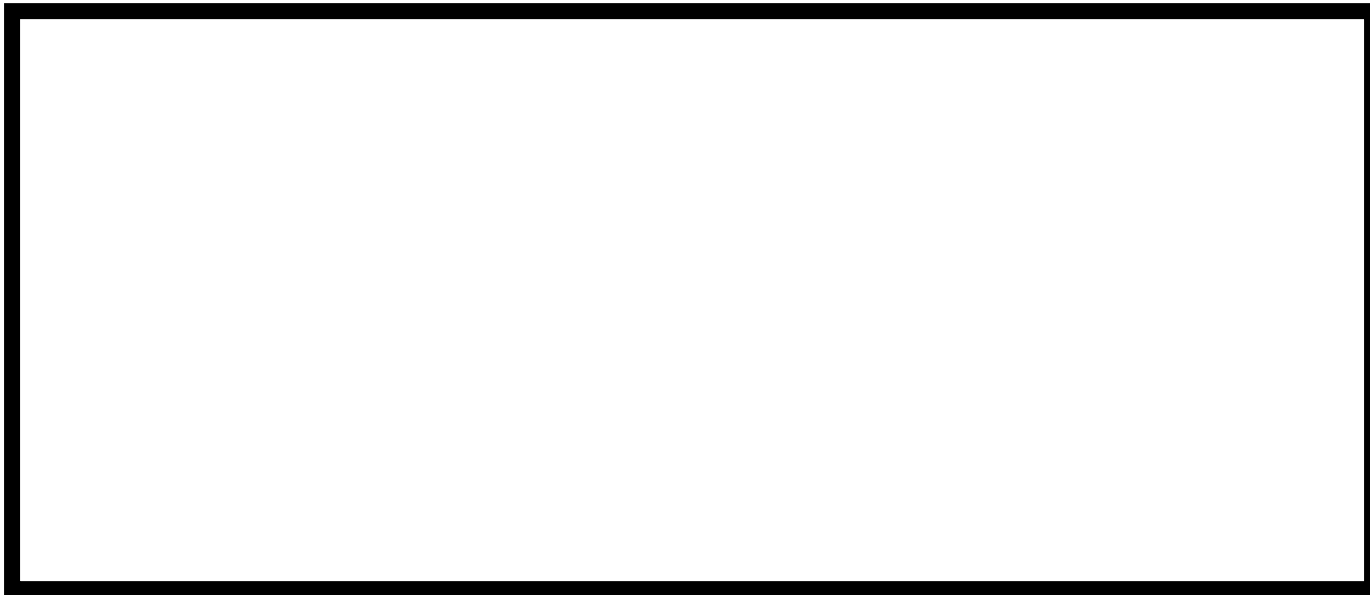
K

Simplify: $\sqrt{75x^5}$

L

A rectangle has a length that is 4 inches longer than its width. Which of the following represents the PERIMETER of the rectangle?

M

How many centimeters are in 5 kilometers?
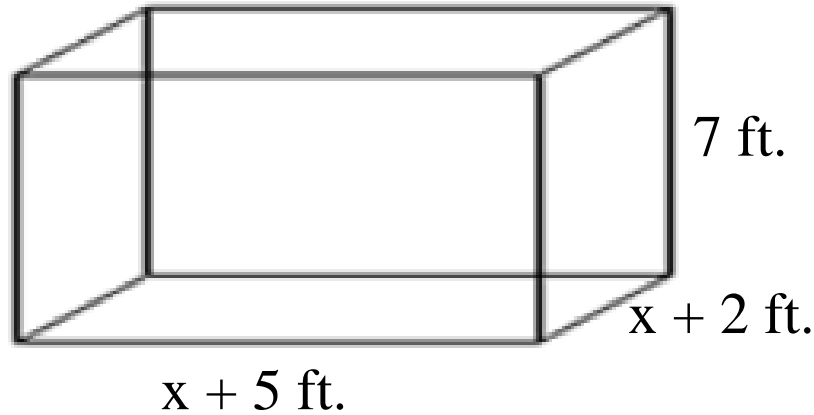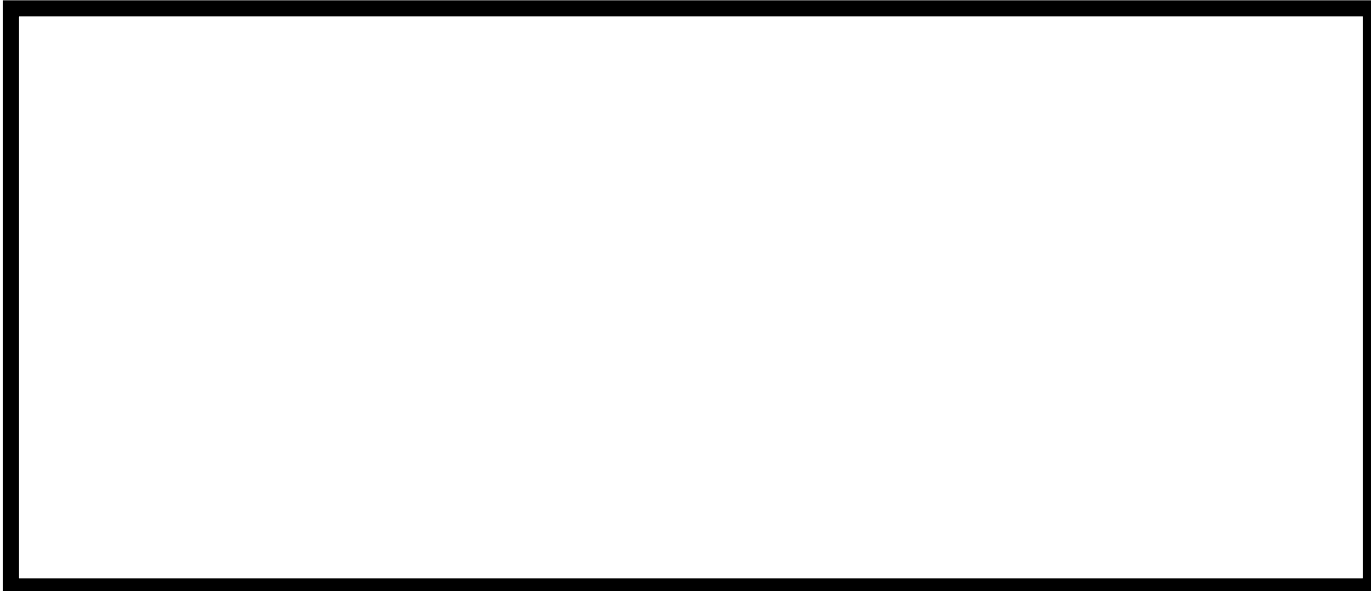
N

Convert 125 pounds into grams   (1 kg = 2.2 pounds)

0

Below is a rectangular prism with given dimensions. Write a polynomial expression that represents the VOLUME of the prism.
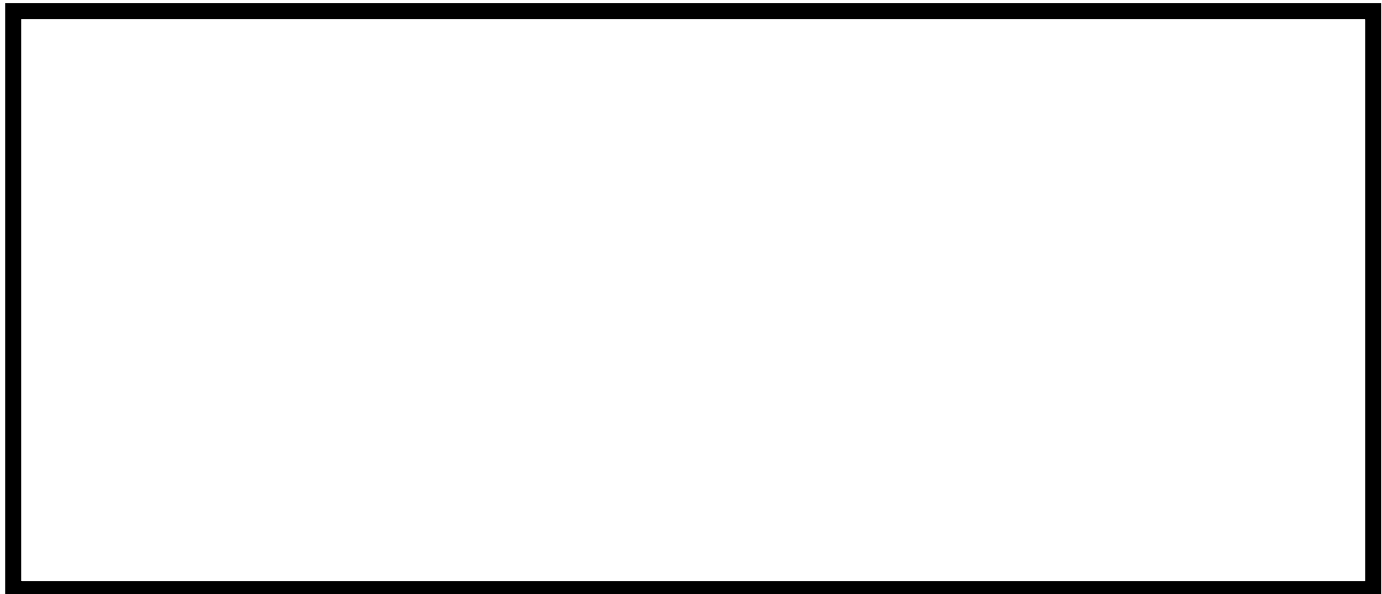
7 ft.

x + 2 ft.

x + 5 ft.

P

Simplify: $4\sqrt{20x^3} \cdot x\sqrt{24x}$

Q

Convert 125 ft/sec into km/hour
(1 mile = 1.61 kM)

R

Simplify: $\left(\sqrt{3n^3}\right)\left(-5\sqrt{3n}\right)$

S

Simplify: $-3\sqrt{20} - 2\sqrt{54} + 3\sqrt{24}$

T

Translate: Four times a number less than eight

U

Translate: The quotient of a number cubed and twelve

y