

Spiral #15

Name: _____
6th Grade ✨

Compute.

① $3(2) + 4^2$

② $6 \div 2(5)$

③ $-3 - 4 + (-7)$

④ $5^2 \div (3 + 2)$

⑤ $55/11 + 9 \cdot 2$

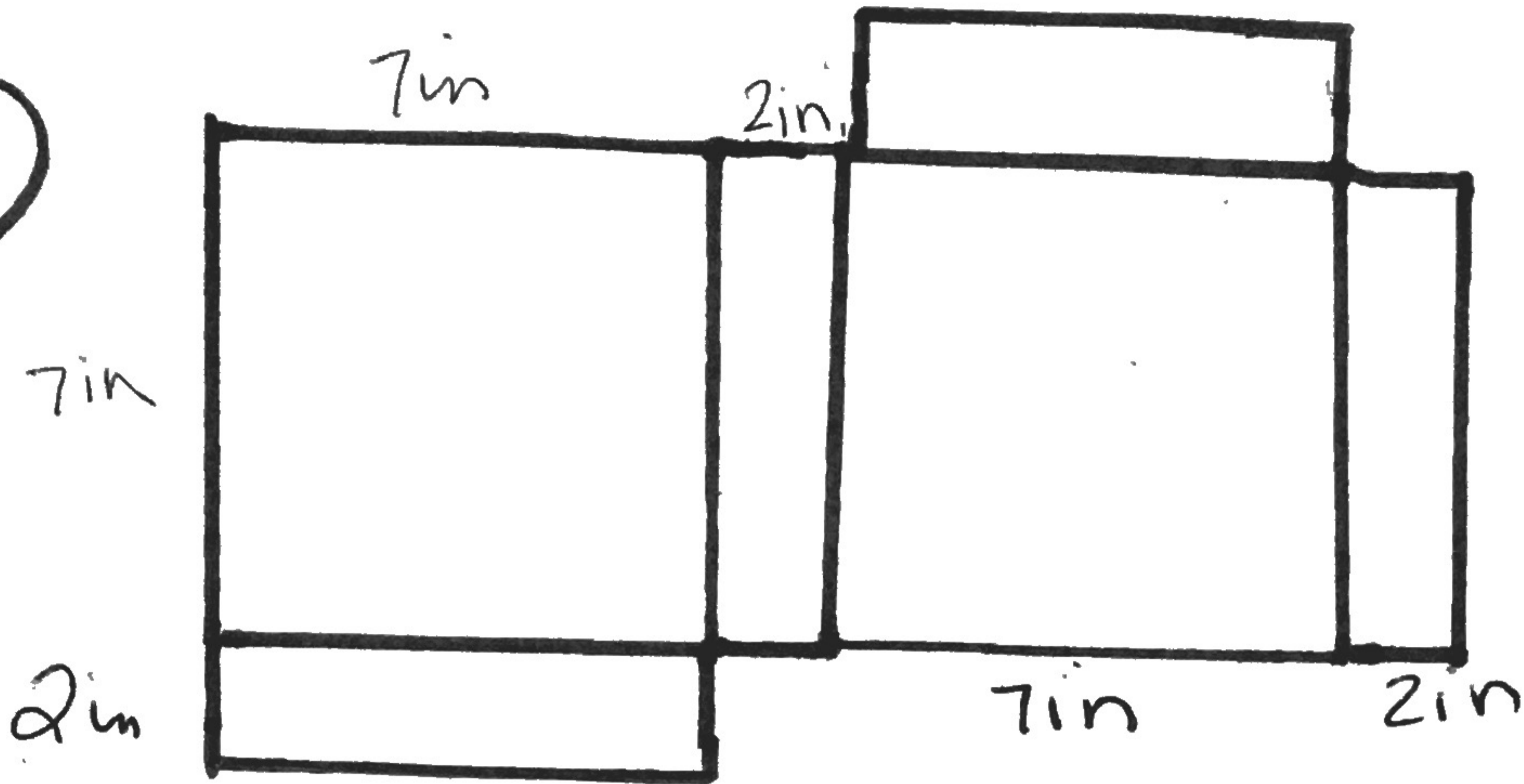
⑥ $6(2) - 5(2)$

⑦ $14 + (-3) + (-10) - 20$

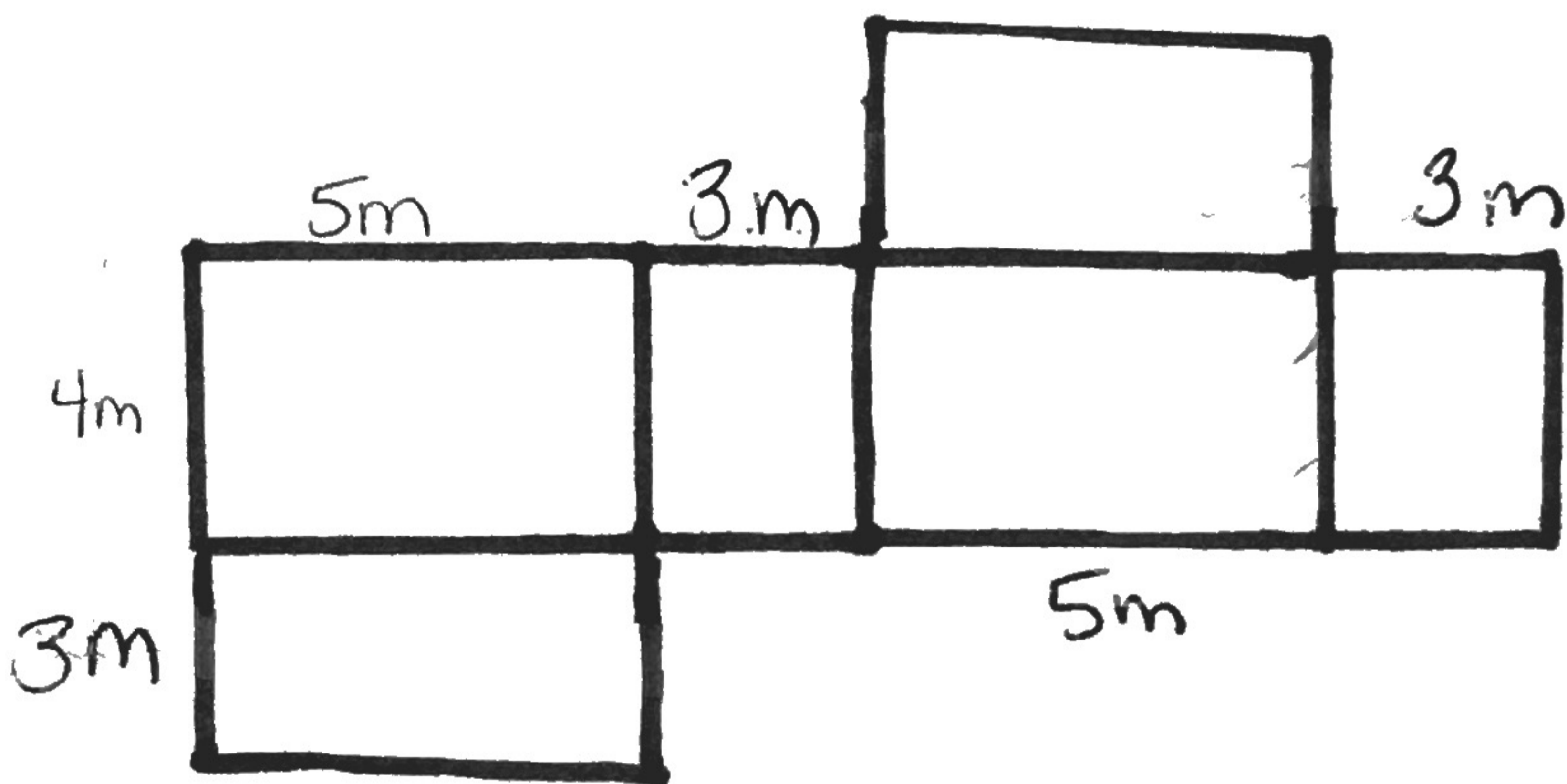
⑧ $(3 + 5)/4 - 6^2$

Find the surface area of the net. include units!

①



②



③



Find the volume of the rectangular prisms. Include units!!

① $l = \frac{1}{2}$ in

$w = \frac{2}{3}$ in

$h = \frac{1}{4}$ in

② $l = \frac{2}{5}$ cm

$w = 4$ cm

$h = \frac{3}{4}$ cm

③ $l = \frac{1}{3}$ ft

$w = \frac{2}{7}$ ft

$h = 3$ ft

M-STEP Review Questions

1) Look at the equation.

$$\frac{2}{3} \times \frac{\square}{\square} = n$$

Sarah claims that for any fraction multiplied by $\frac{2}{3}$, n will be less than $\frac{2}{3}$.

To convince Sarah that this statement is only sometimes true:

Part A: Drag one number into each box so the product, n , is less than $\frac{2}{3}$.

Part B: Drag one number into each box so the product, n , is **not** less than $\frac{2}{3}$.

?

Part A: Product n is less than $\frac{2}{3}$

$$\frac{2}{3} \times \frac{\square}{\square} = n$$

Part B: Product n is not less than $\frac{2}{3}$

$$\frac{2}{3} \times \frac{\square}{\square} = n$$

1
2
3
4
5
6
7
8
9

2) Carl types 180 words in 2 minutes.

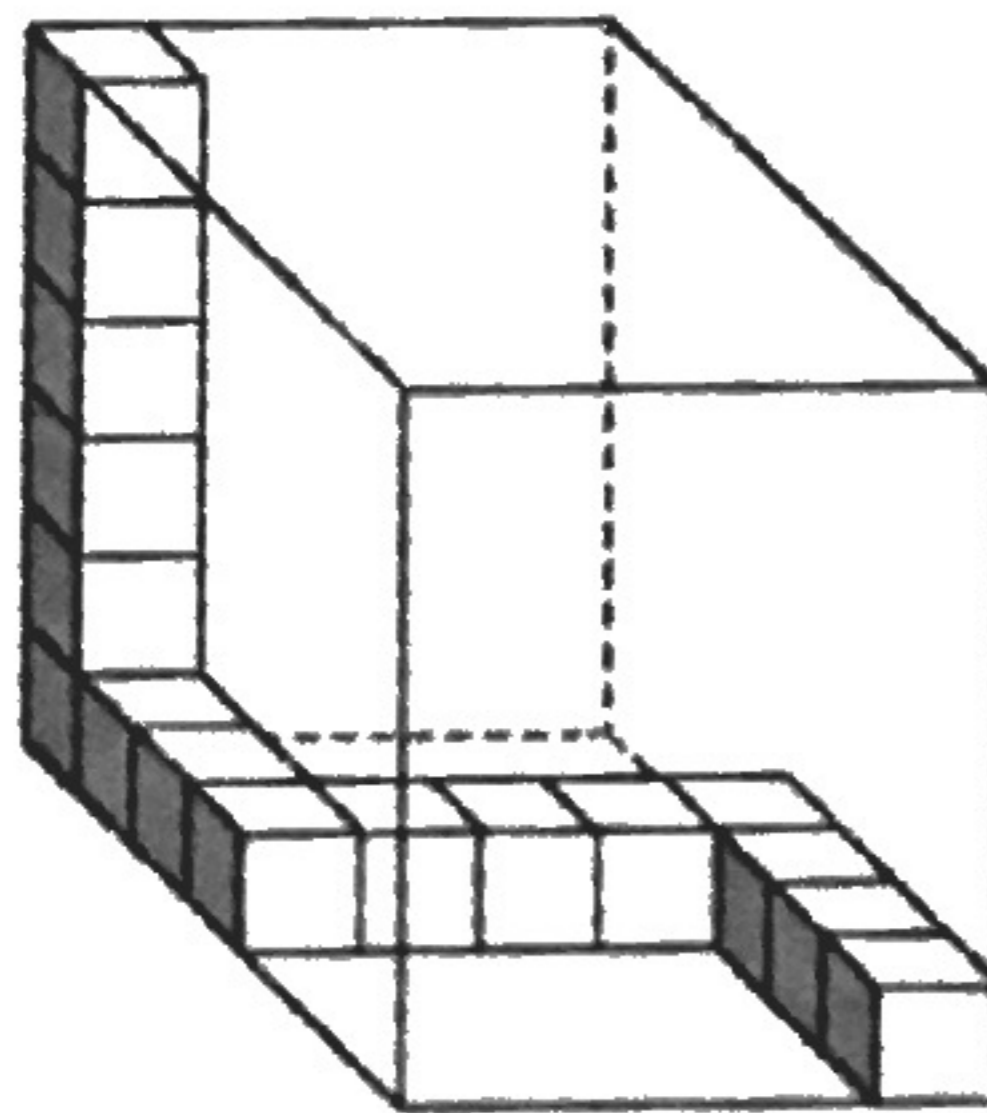
Enter the number of words Carl types in 5 minutes at this rate.

3) Ms. Stone buys groceries for a total of \$45.32. She now has \$32.25 left.

Which equation could be used to find out how much money Ms. Stone had before she bought the groceries?

- (a) $\$45.32x = \32.25
- (b) $x - \$45.32 = \32.25
- (c) $x + \$45.32 = \32.25
- (d) $x + \$32.25 = \45.32

4) Brady started to fill the box shown with some unit cubes.



Enter the total number of unit cubes needed to completely fill the box. Include the unit cubes already shown in your total.