

SPIRAL #2

NAME:

6<sup>th</sup> Grade

Simplify the expressions using the distributive property.

1)  $7(x+4)$

2)  $3(y-1)$

3)  $b(m+z)$

4)  $2L(P-3)$

5)  $4(x+3)$

6)  $5(6x-10)$

7)  $2c(3d+1)$

8)  $5x(y+3z)$

which properties do the examples below display? All have two

$$1) 3 + 2 + 0 = 2 + 3$$

$$2) 4(x + 1) = 4x + 4$$

$$3) \frac{3}{5} \left( \frac{5}{3} \right) = 1$$

$$4) 3 + (-3) + 5 + 7 = 7 + 5$$

$$5) (3 \cdot 4) \cdot 6 \cdot 1 = 3 \cdot (4 \cdot 6)$$

Place the drink mixtures in order from least orangey to most orangey. orange = ■ soda = □

A) Orange: soda  
3:2

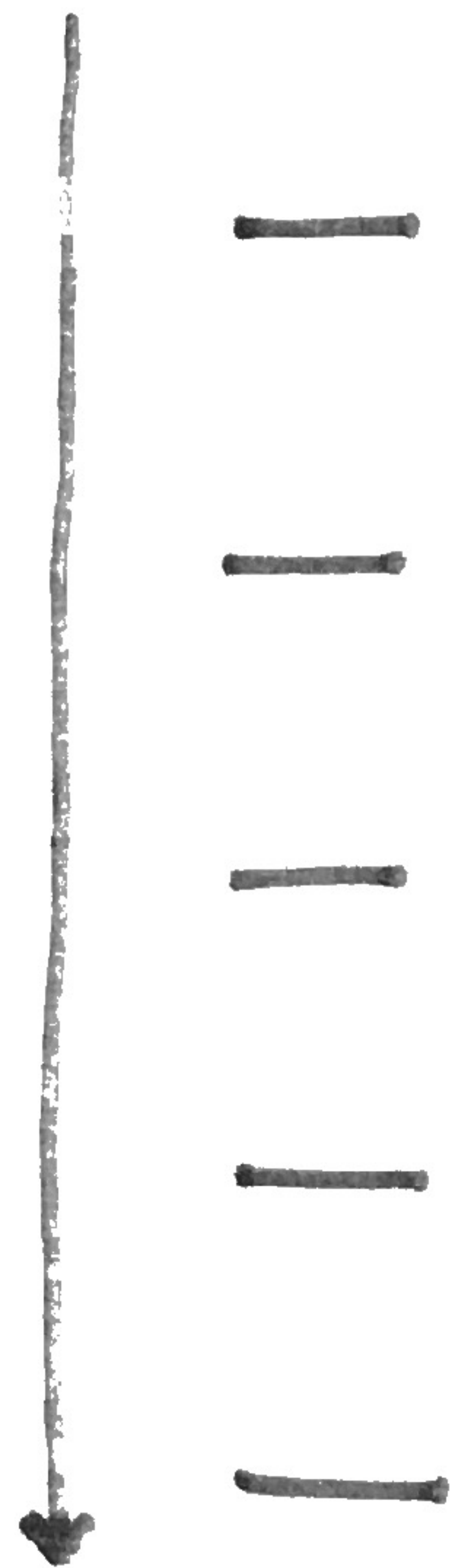
B) ■ ■  
□ □

C) ■ □ □ □

D)  $\frac{\text{orange}}{\text{soda}} = \frac{2}{3}$

E) the mixture is  $\frac{1}{3}$  orange

least orangey



most orangey

Write an expression that would show the area of the model.

