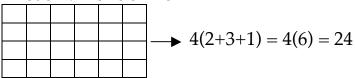
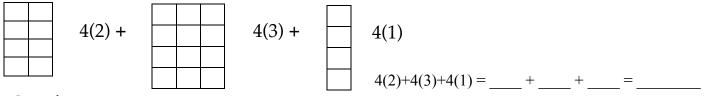
Scenario	C:	Prob	lem:	4((2+3)	+1)

Model 1: 4 rows of 2+3+1



Model 2: 4 rows of 2 + 4 rows of 3 + 3 rows of 1



Questions

1. What is the same in both models?

Both models have ______.

2. What is different about the two models?

Model 1 has ______, but model 2 ______.

3. Is 4(2+3+1) = 4(2) + 4(3) + 4(1)? Why or why not?

_____ (yes or no) because ______.

Directions: For scenario D, following the examples above, draw both the picture for models 1 and 2 and write the corresponding math sentences.

Scenario D: 5(4+2)

Model 1: _____ rows of _____.

Model 2: _____ rows of _____ + ___ rows of _____.

Scenario E: 3(x+2)

Model 1: 3 rows of x+2



Model 2: 3 rows of x + 3 rows of 2

3(x) +		3(2)	3(x+2) = 3(x) + 3(2) =

Ouestions

1. What is the same in both models?

Both models have ______.

2. What is different about the two models?

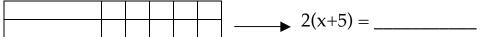
Model 1 has ______, but model 2 ______.

3. Is 3(x+2) = 3(x) + 3(2)? Why or why not?

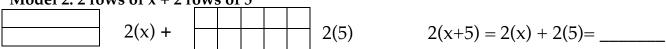
_____ (yes or no) because ______.

Scenario F: 2(x+5)

Model 1: 2 rows of x+5



Model 2: 2 rows of x + 2 rows of 5



Questions

1. What is the same in both models?

Both models have ______.

2. What is different about the two models?

Model 1 has ______, but model 2 ______.

3. Is 2(x+5) = 2(x) + 2(5)? Why or why not?

_____ (yes or no) because _____

Directions: For scenario G, following the example and 2 and write the corresponding math sentence Scenario G: $4(x+1)$	mples above, draw both the picture for models 1 ences.
Model 1: rows of	_•
Model 2:rows of	4(x+1) =
Nodel 2lows of	
	4(x+1) = 4(x) + 4(1) =
Summary Questions: Distributive Property 1. Complete this equation: $a(h + c) - a(h + c) = a(h + c) + a(h + c) + a(h + c) = a(h + c) + a(h + c) + a(h + c) = a(h + c) + a(h + c) + a(h + c) = a(h + c) + a(h + $	n(). This is called the Distributive Property of
Multiplication over Addition.	(). This is caned the Distributive Property of
2. Describe the Distributive Property of Mult	iplication over Addition in your own words.
The Distributive Property of Multiplication of	over Addition means
	·
3. Create one more example to illustrate the D	Distributive Property using unit and x tiles.
Practice Time!!! Note: $4x-3 = 4x + (-3)$ 1. $4(3x+1) = $	
Hint: =	_ rows of + rows of
23(4x+2) =	

4

Intervention Units: Addition and Subtraction of Polynomials 3.2

- 3. -2(-5x+4) = _____
- 4. -(4x+2) =
- 5. -5(3x-1) =
- 6. -(x-4)
- 7. -2(3x-8)
- 8. -(3x-1)

Challenge
9)
$$2(2x^2 + 3x + 4)$$
 10) $-(4x^2 - 3)$ 11) $-(3x^2 + 2x - 6)$