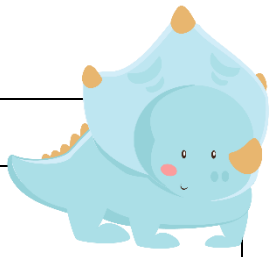
Combining Like Terms Scavenger Hunt (Integers)

Here's how to play:

- Post the cards all over your room.
- Split students up into groups (I typically do pairs, depending on class size).
- Have students start at any one of the cards. The cards make a loop, so it doesn't matter where students start.
- Students record on their record sheet the CARD NUMBER they are at, solve the problem and find the answer on a DIFFERENT CARD. Then they repeat the process.
- Students will know they have finished when they arrive back at the card where they started.
- You check their card number sequence.
- This set includes 12 cards, the answer sequence and a record sheet for students. Cards review combining like terms and the distributive property with integers.

Clipart provided by: Miss Pickle's Design Studio -Thanks!

Name:_____ Core:_____ Date:_____



Card Number	Problem	Answer

Card #1

Answer:

-24x + 14

$$-4 + 7(1 - 3x)$$

Combining Like Terms - Distributive Property (Integers)

Card #2

Answer:

x + 8

$$-4 + 6(-4x + 3)$$

Combining Like Terms - Distributive Property (Integers)

Card #3

Answer:

96x - 70

$$-7(x + 3) - 8(1 + 8x)$$

Combining Like Terms - Distributive Property (Integers)

Card #4

Answer:

9x + 27

$$6(2x - 3) - 4(-3x + 5)$$

Combining Like Terms - Distributive Property (Integers)

Card #5

Answer:

$-71x - 29$

$2(x + 2) - 8(x + 3)$

Combining Like Terms - Distributive Property (Integers)

Card #6

Answer:

$-8x + 26$

$-9(-x - 3)$

Combining Like Terms - Distributive Property (Integers)

Card #7

Answer:

16x + 18

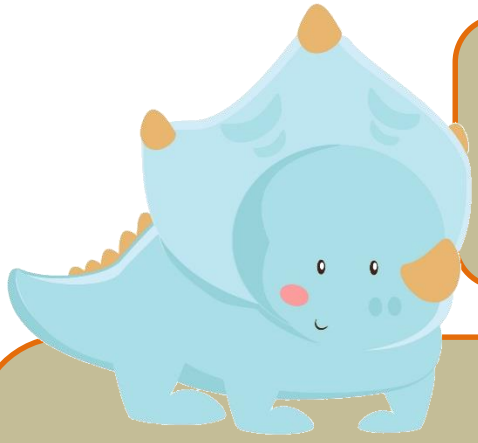
$$-x - 3(-3x + 5)$$

Card #8

Answer:

-6x - 22

$$5(-2x + 4) + 2(x + 3)$$



Card #9

Answer:

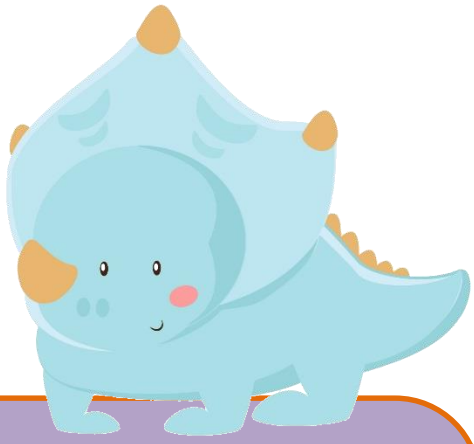
-21x + 3

$$-5x + 3(6 + 7x)$$

Card #10

Answer:

24x – 38



$$6 + 2x - (x - 2)$$

Card #11

Answer:

$-6x - 20$

$-3(5 + 2x) - 7$

Card #12

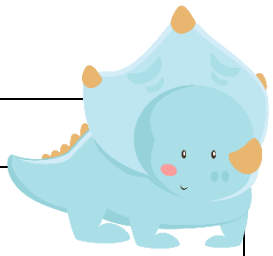
Answer:

$8x - 15$

$-10(1 - 9x) + 6(x - 10)$

Name:_____ Core:_____ Date:_____

Answer Key with Card Order



Card Number	Problem	Answer
#1	$-4 + 7(1 - 3x)$	-21x + 3
#9	$-5x + 3(6 + 7x)$	16x + 18
#7	$-x - 3(-3x + 5)$	8x - 15
#12	$-10(1 - 9x) + 6(x - 10)$	96x - 70
#3	$-7(x + 3) - 8(1 + 8x)$	$-71x - 29$
#5	$2(x + 2) - 8(x + 3)$	$-6x - 20$
#11	-3(5 + 2x) - 7	-6x - 22
#8	$5(-2x + 4) + 2(x + 3)$	$-8x + 26$
#6	-9(-x – 3)	9x + 27
#4	$6(2x - 3) - 4(-3x + 5)$	$24x - 38$
#10	$6 + 2x - (x - 2)$	x + 8
#2	-4 + 6(-4x + 3)	-24x + 14 (back to #1)