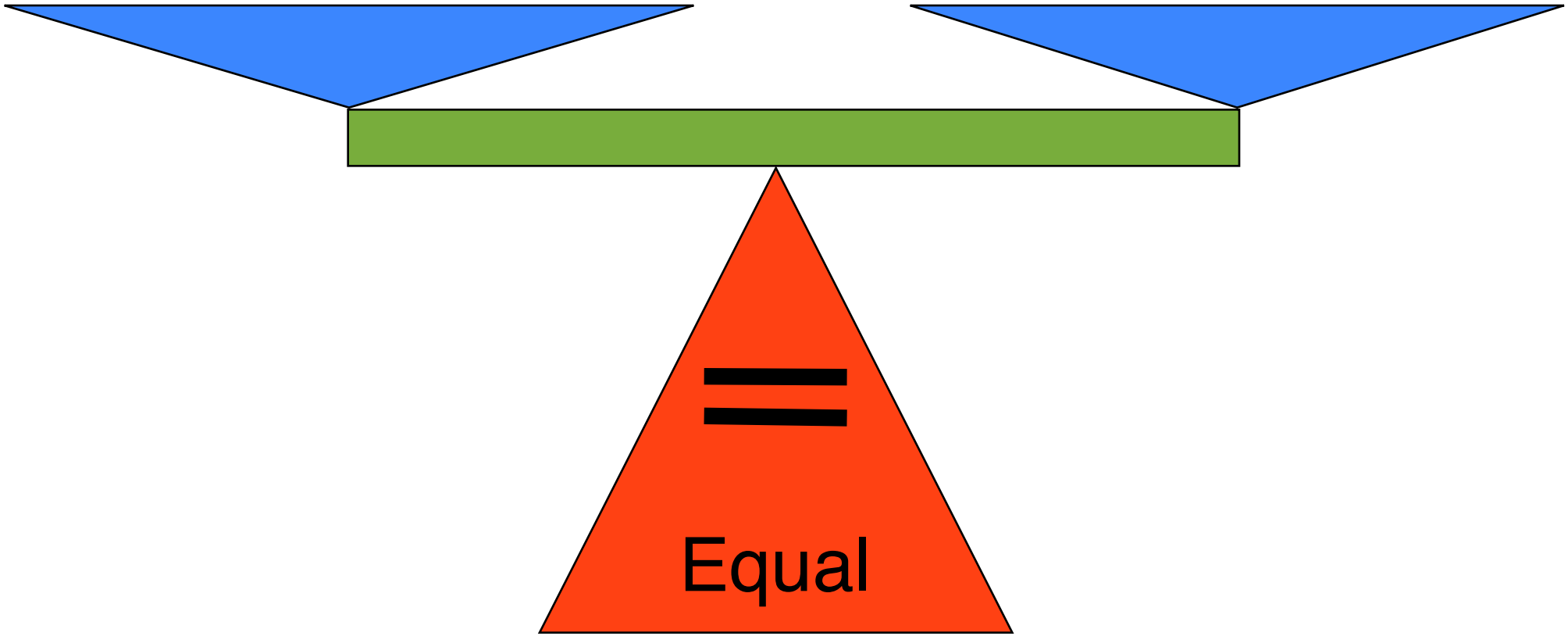
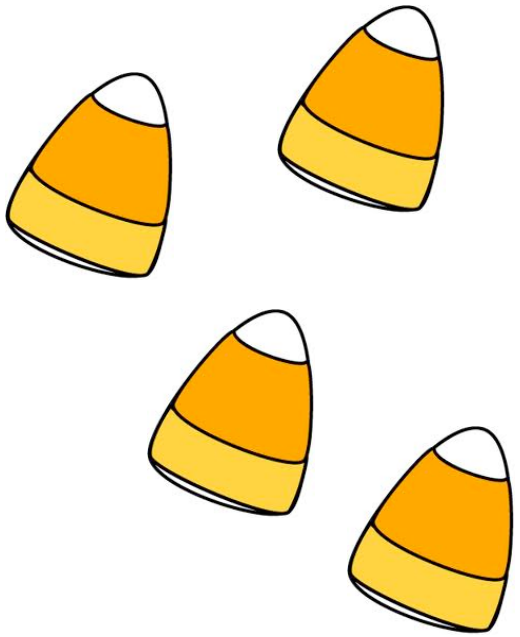
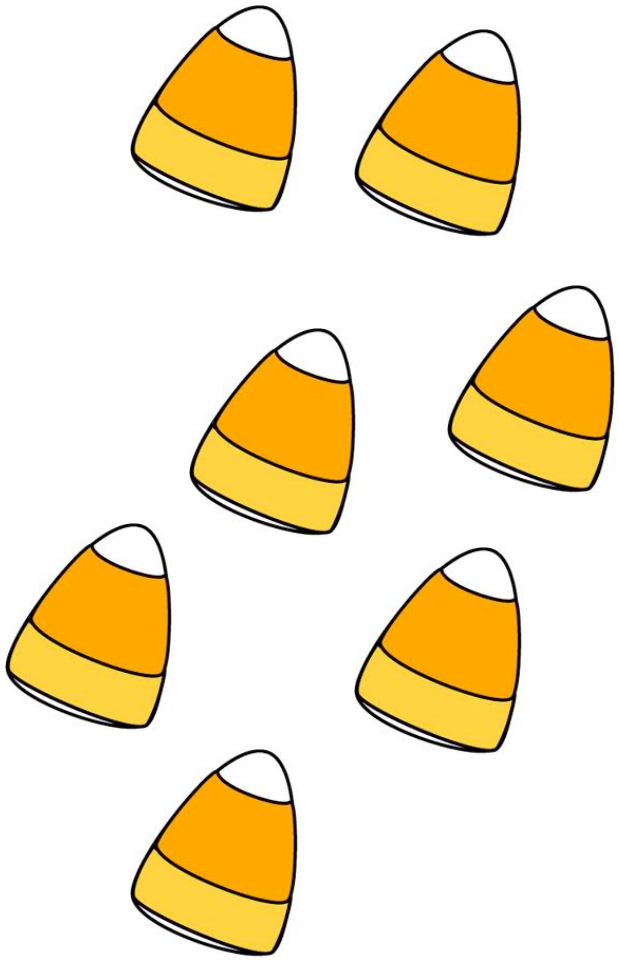

=
Equal

Equation Mat

Key:

	=	

Equation Mat

Key:  = J  =1		
 	=	

Equation Mat

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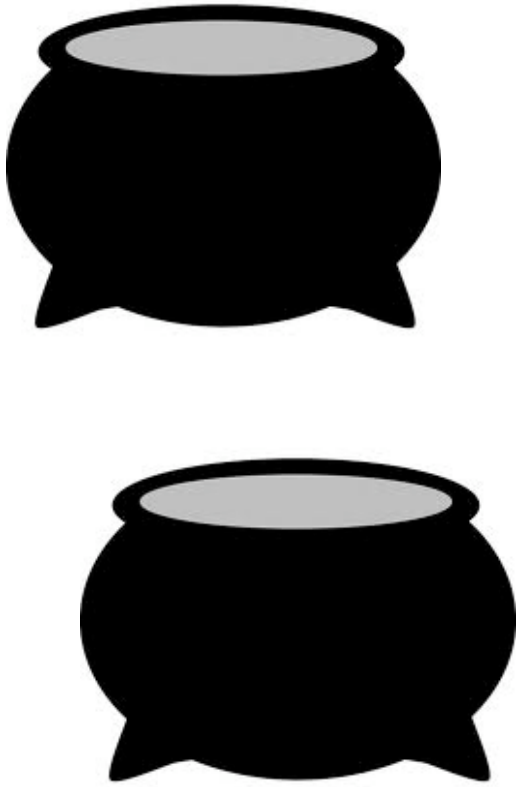

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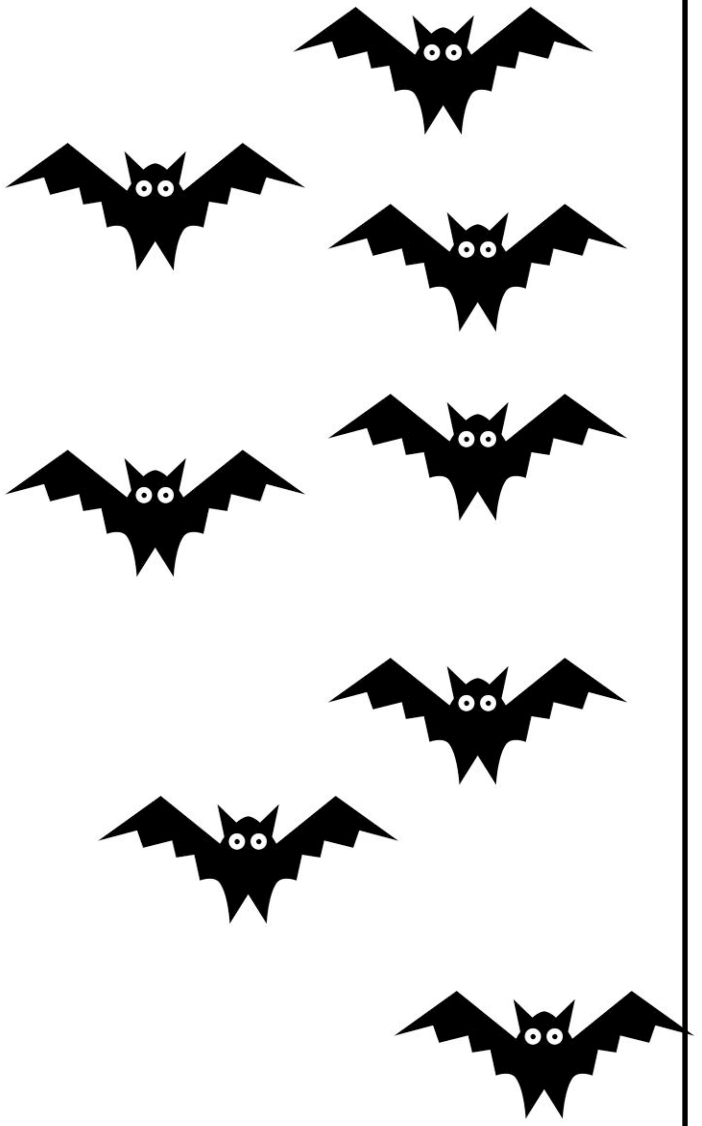
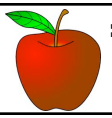
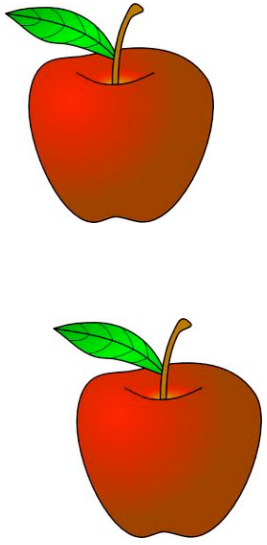


Equation Mat

Key:  = B  =1



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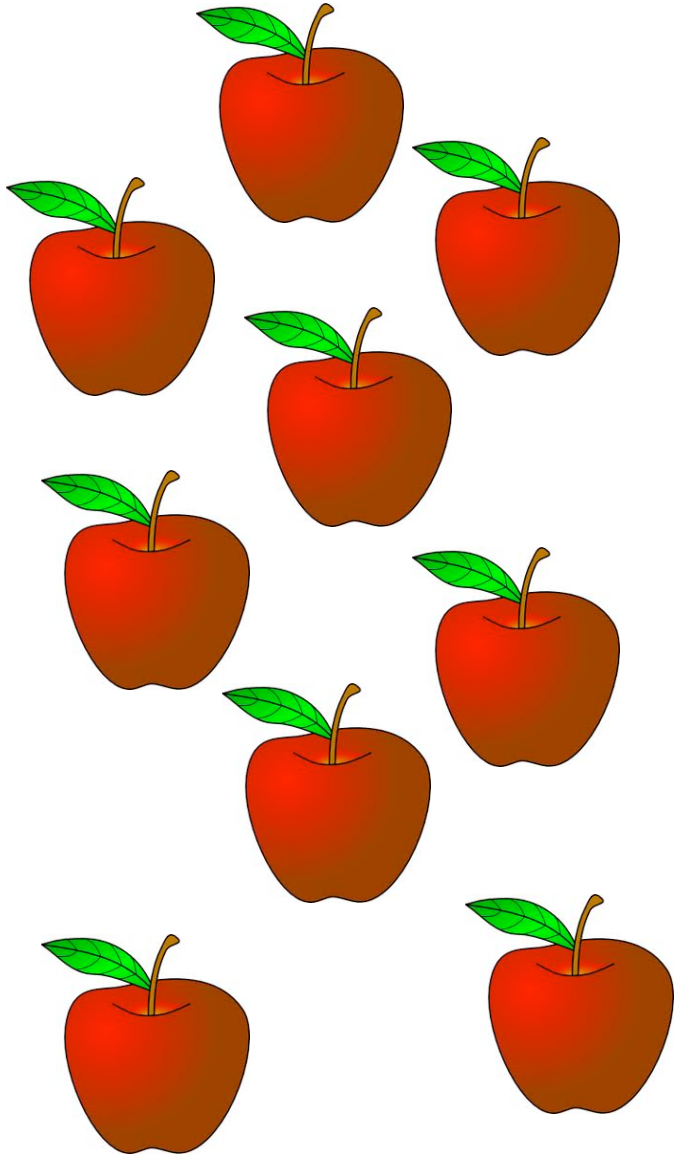

Equation Mat

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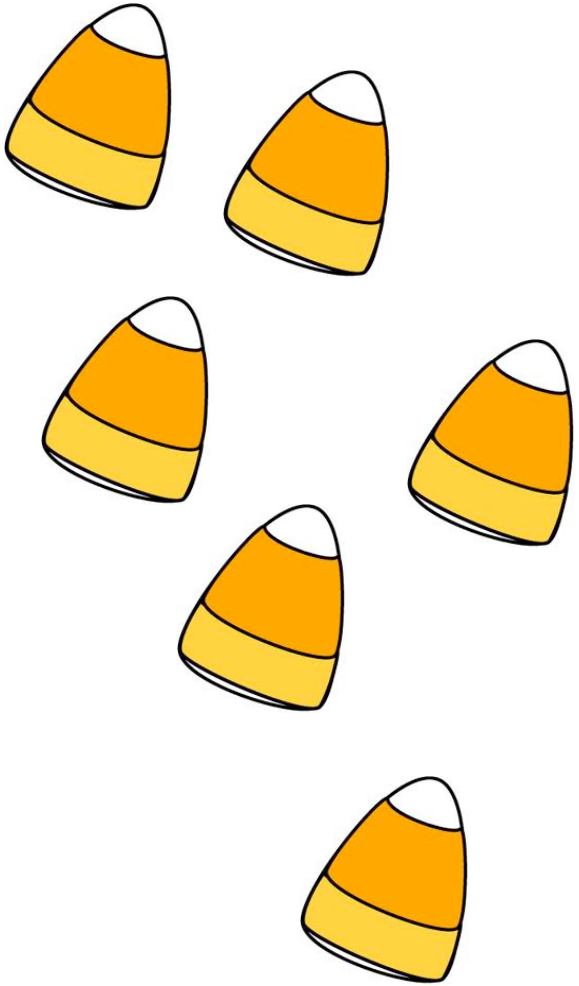
 	=	

Equation Mat

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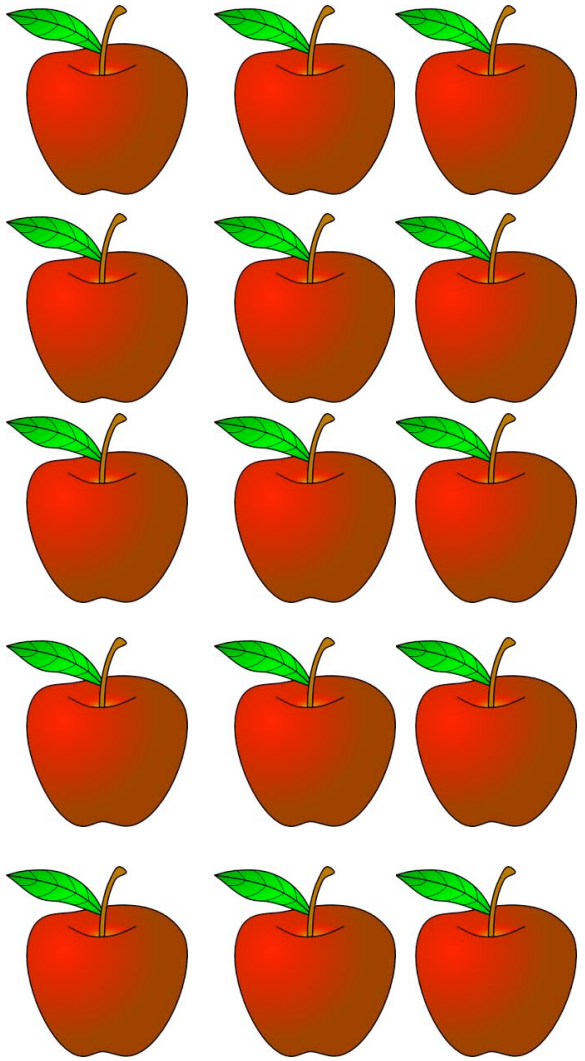
=



Equation Mat

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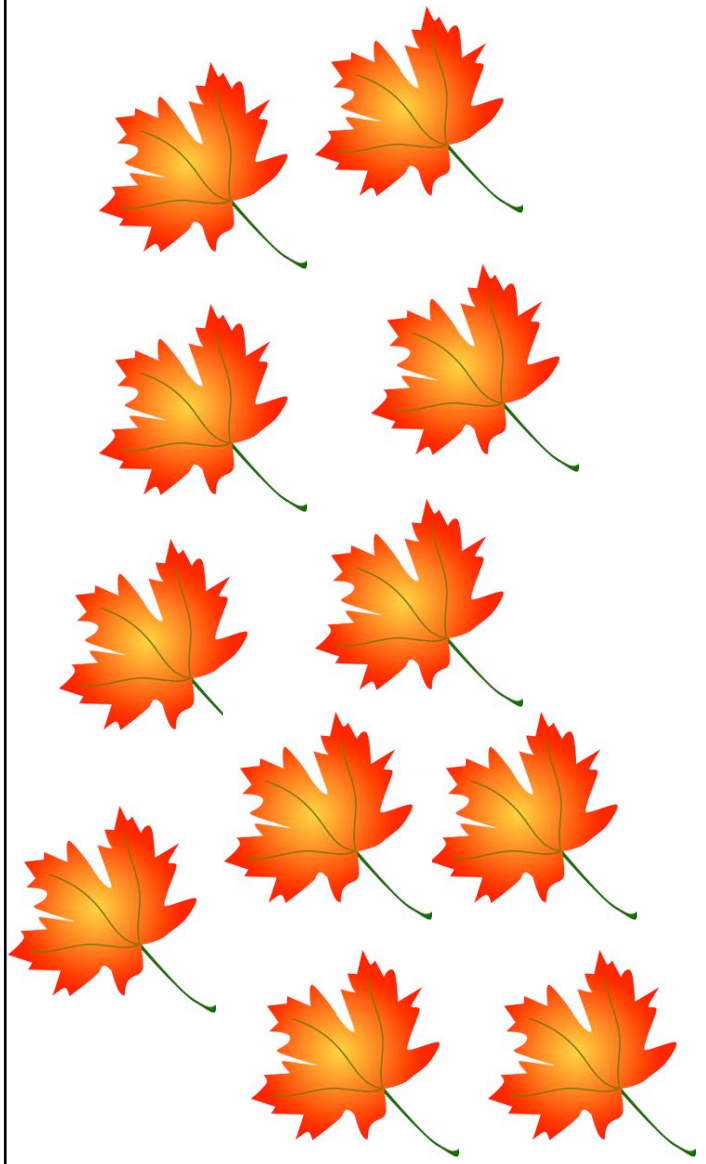
	=	

Equation Mat

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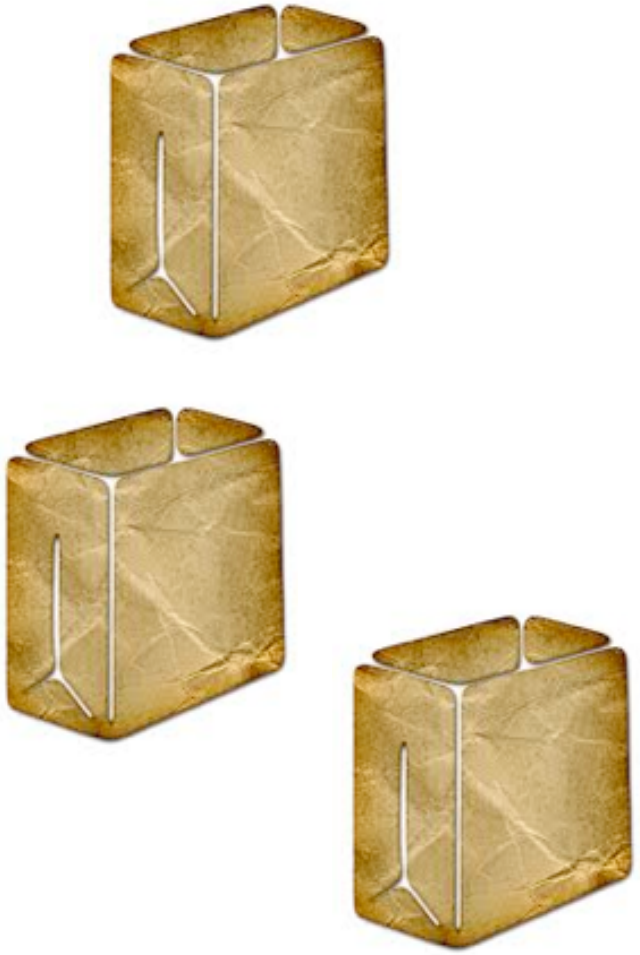

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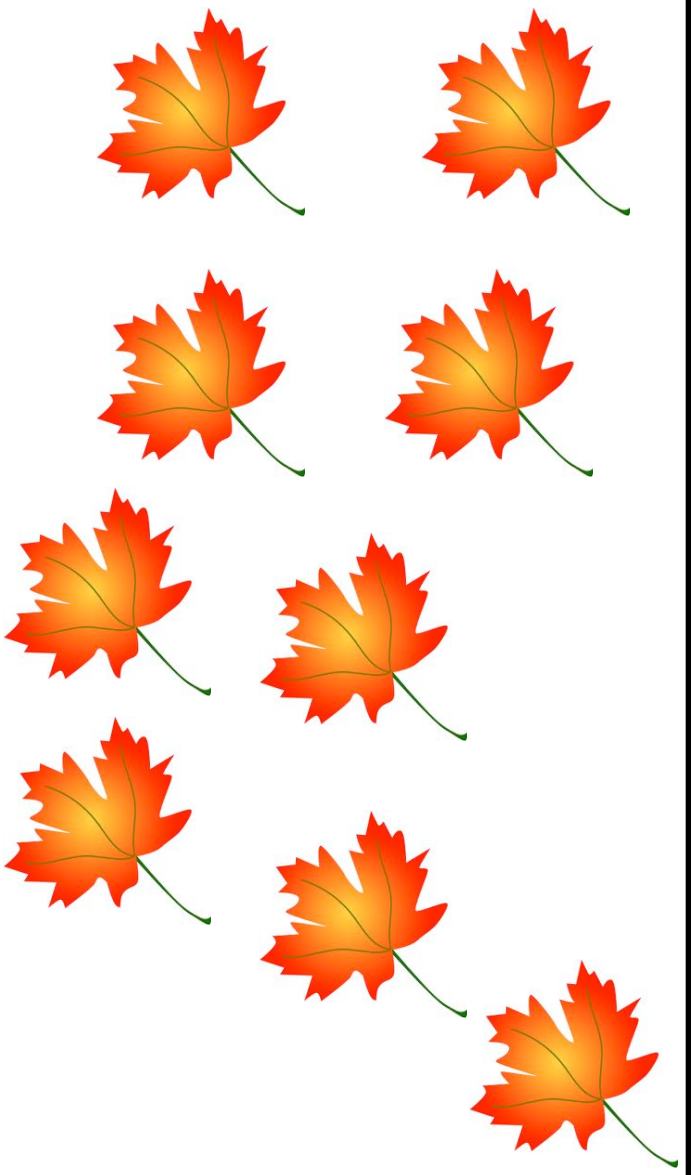

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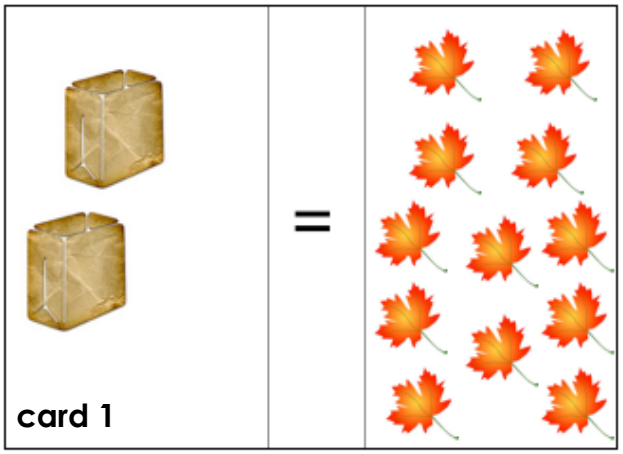

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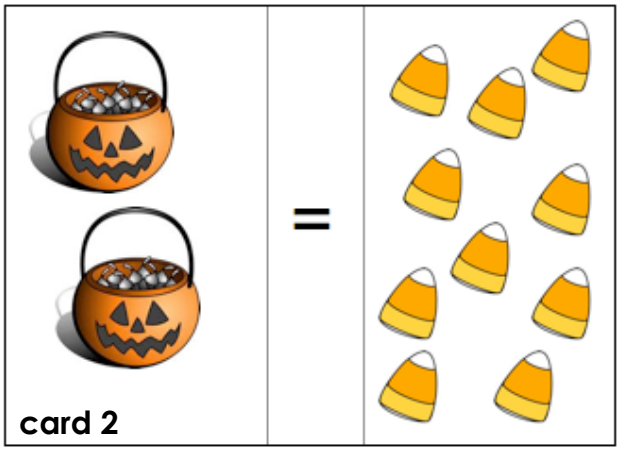
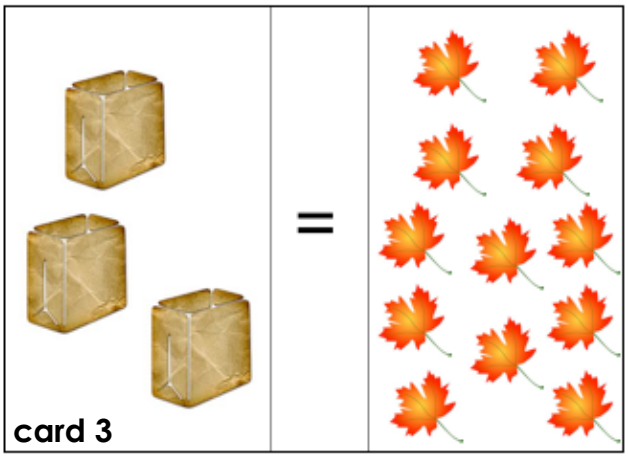


Equation Mat



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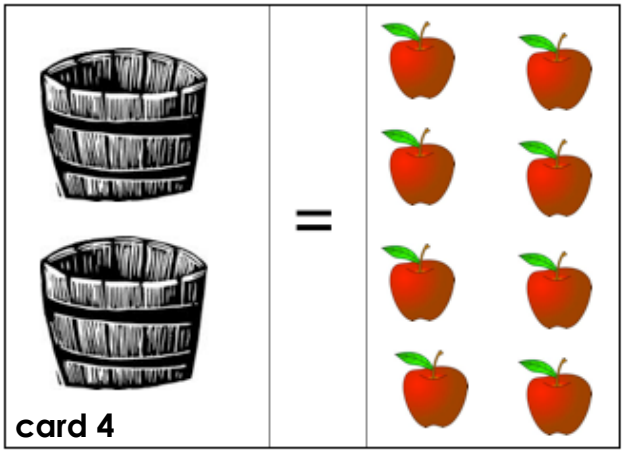

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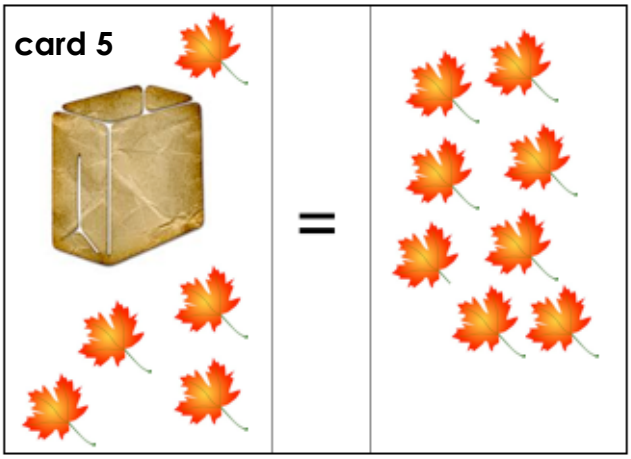
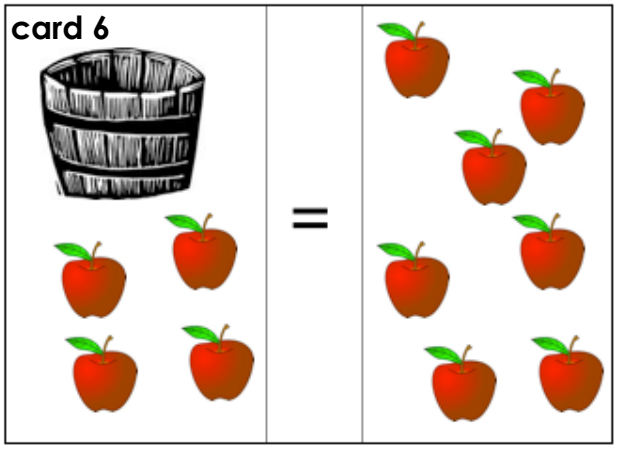


Equation Mat



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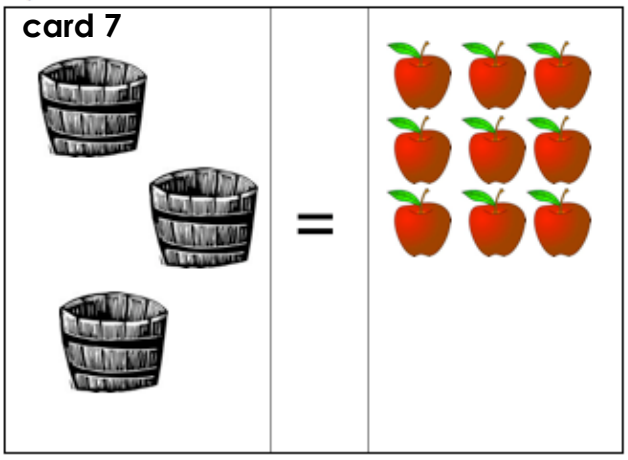
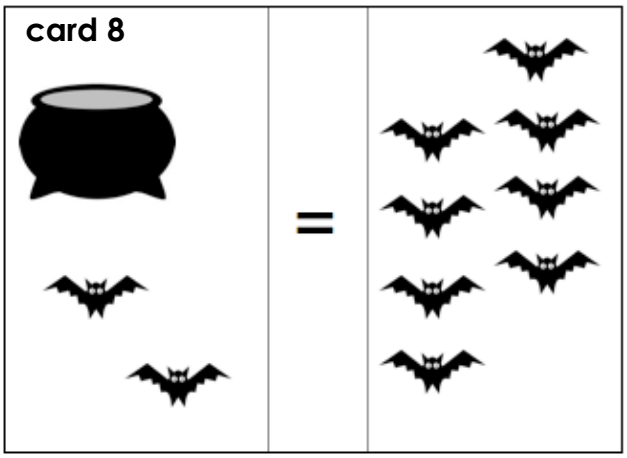
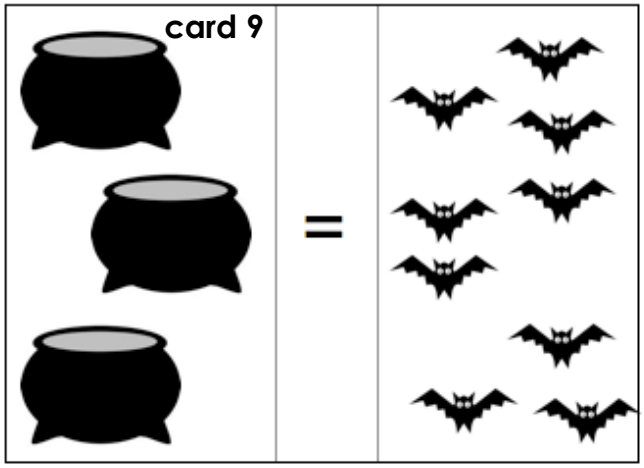


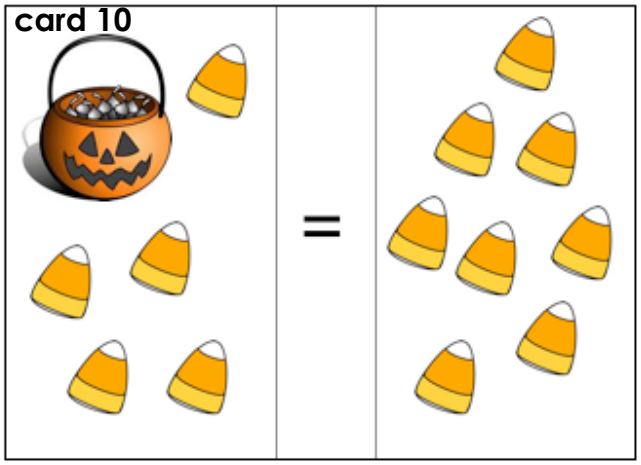
Equation Mat



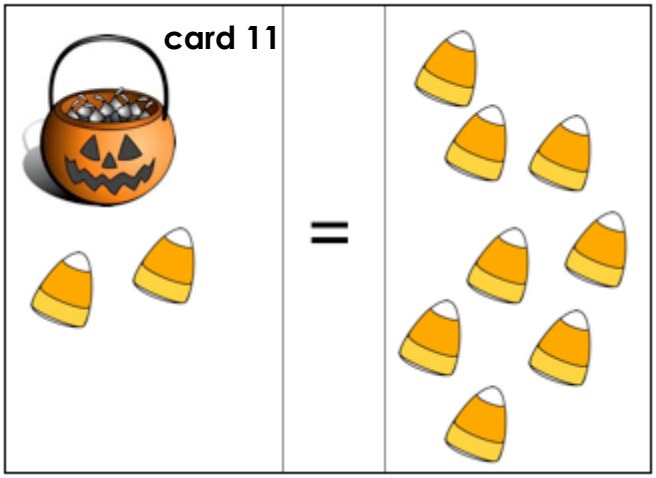
Equation Mat



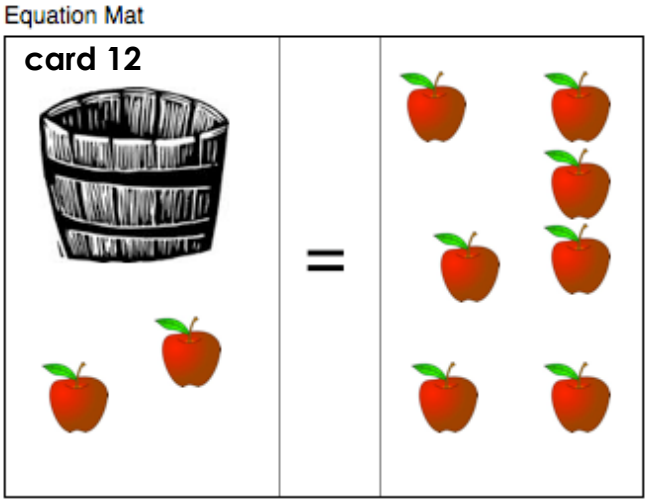
Equation Mat



Equation Mat



Equation Mat



N + 3 = 8

N + 7 =12

B + 2 = 9

B + 4 = 10

$2P = 10$	$3B=9$
$2B = 20$	$2P = 14$
$P + 3 = 9$	$C + 7 = 10$
$C + 7 = 11$	$3P=6$

Algebra Halloween Recording Sheet

Card #	Key	Equation
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

Who is Correct?

We need help determining the cost of new floor tiles for our bathroom. Marble tiles cost $7 each, and granite tiles cost $5. We need 40 marble tiles, 15 granite tiles, plus a bag of adhesive that costs $10. Can you write a single mathematical sentence to determine this cost?

Mark wrote: $10 + (7 + 5) \times (40 + 15)$
Doug wrote: $10 + (7 \times 40) + (5 \times 15)$
Andy wrote: $10 + 7 \times 40 + 5 \times 15$

1. Which equation could be used to determine the correct total cost? Show how you know.

2. Andy went on to demonstrate how he knew that he was correct.

$$\begin{aligned} \mathbf{10 + 7 \times 40 + 5 \times 15} &= \mathbf{17 \times 40 + 5 \times 15} \\ &= \mathbf{680 + 75} \\ &= \mathbf{755} \end{aligned}$$

What error did he make? How can you help him correct his mistake?

Bubble Gum Factory

NAME _____

	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Rules for the Seven-Up Game

The following are the rules for the Seven-Up Game, which you will play with dominoes.

1. Each player turns over one domino and finds the total number of spots on it.

2. If it is 7, the domino is placed on end on that player's side of the desk and the player who turned it over writes the appropriate equation.

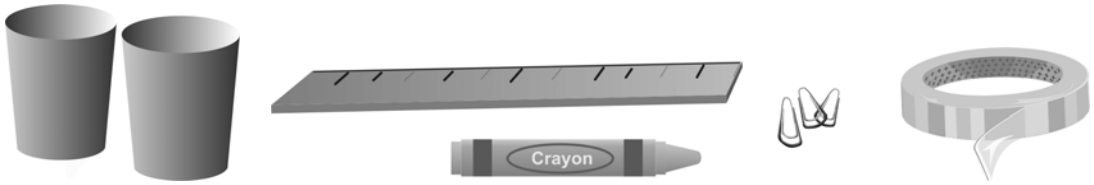
3. If the domino has any other sum, it is removed from the pile.

4. Then once all the dominoes have been turned over, the player who turned over the most dominoes with a sum of 7 lines up his or her dominoes and pushes them to make them fall over.

Finding the Balance

NAME _____

Can you balance a ruler on a crayon?



1. How can you balance two paper clips in cup A with three paper clips in cup B?

2. Where can you place the cups to balance them?

3. How far is each cup from the fulcrum?

4. If you move the crayon, how can you rebalance the cups on the new fulcrum?

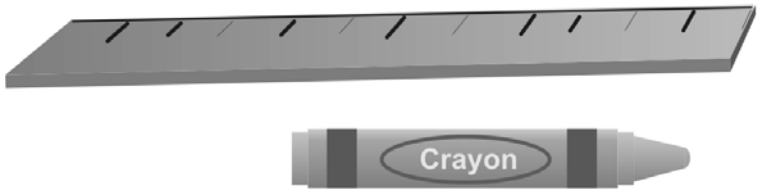
5. Complete the following table.

Cup A		Cup B	
DISTANCE FROM FULCRUM	NUMBER OF PAPER CLIPS	DISTANCE FROM FULCRUM	NUMBER OF PAPER CLIPS
	2		3

Keeping in Balance

NAME _____

Can you balance a ruler on a crayon?



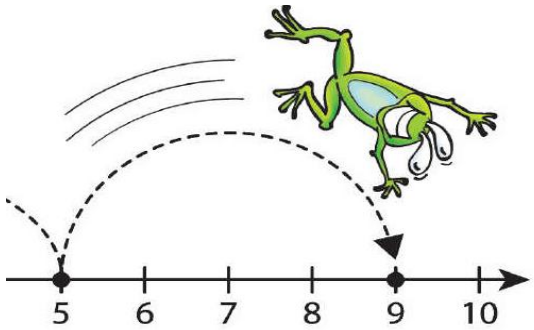
1. On which numbers on the ruler can you put two paper clips of the **same size** and keep balance?

FIRST CLIP	SECOND CLIP

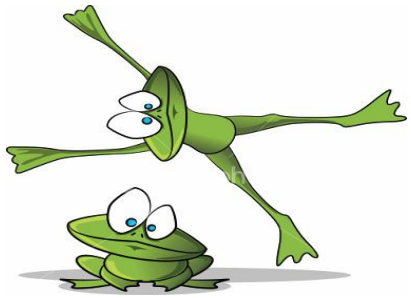
2. On which numbers on the ruler can you put two paper clips of **different sizes** and keep balance?

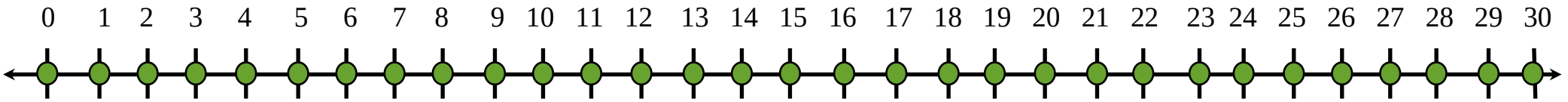
FIRST CLIP (SMALLER)	SECOND CLIP (LARGER)

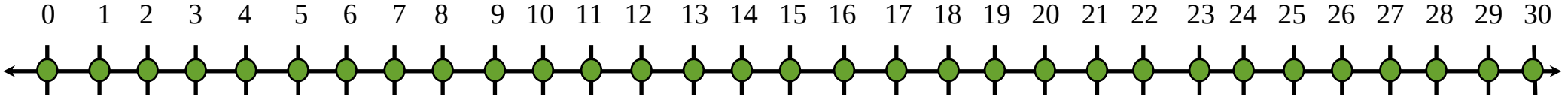
 3 and 5	 3 and 5
 3 and 8	 3 and 8
 4 and 12	 4 and 12
 2 and 7	 2 and 7
 4 and 5	 4 and 5

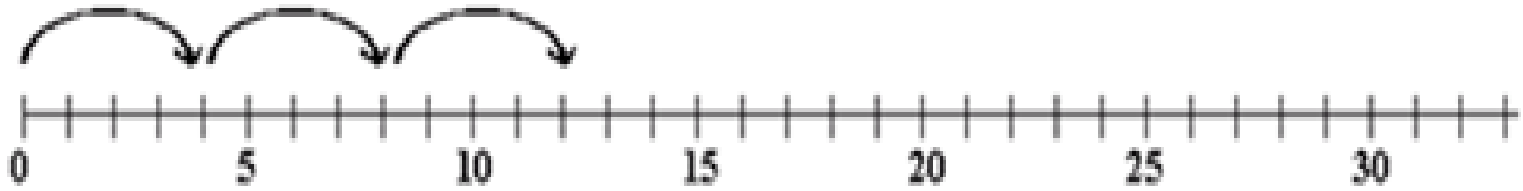


Flipping Frogs





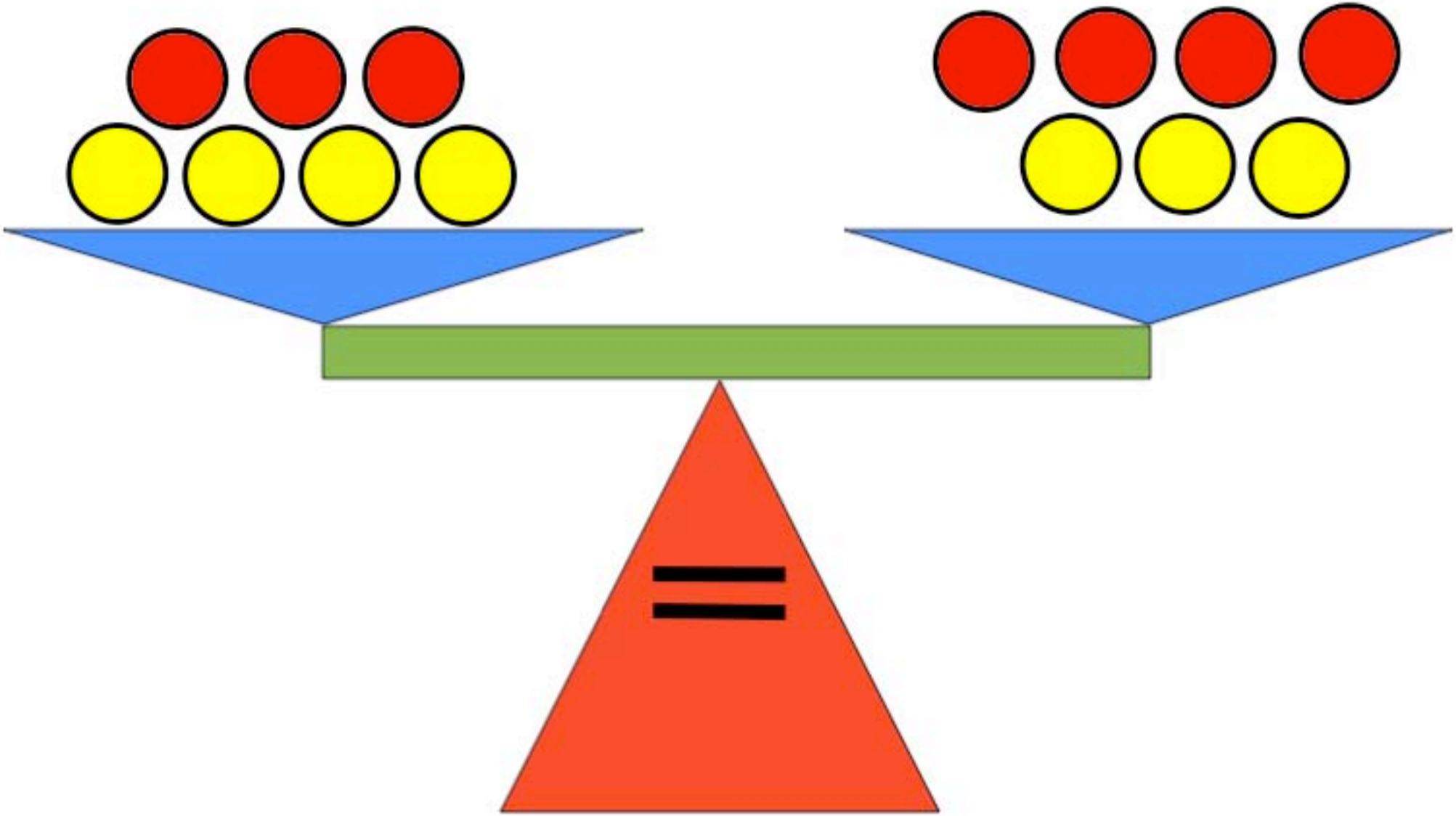


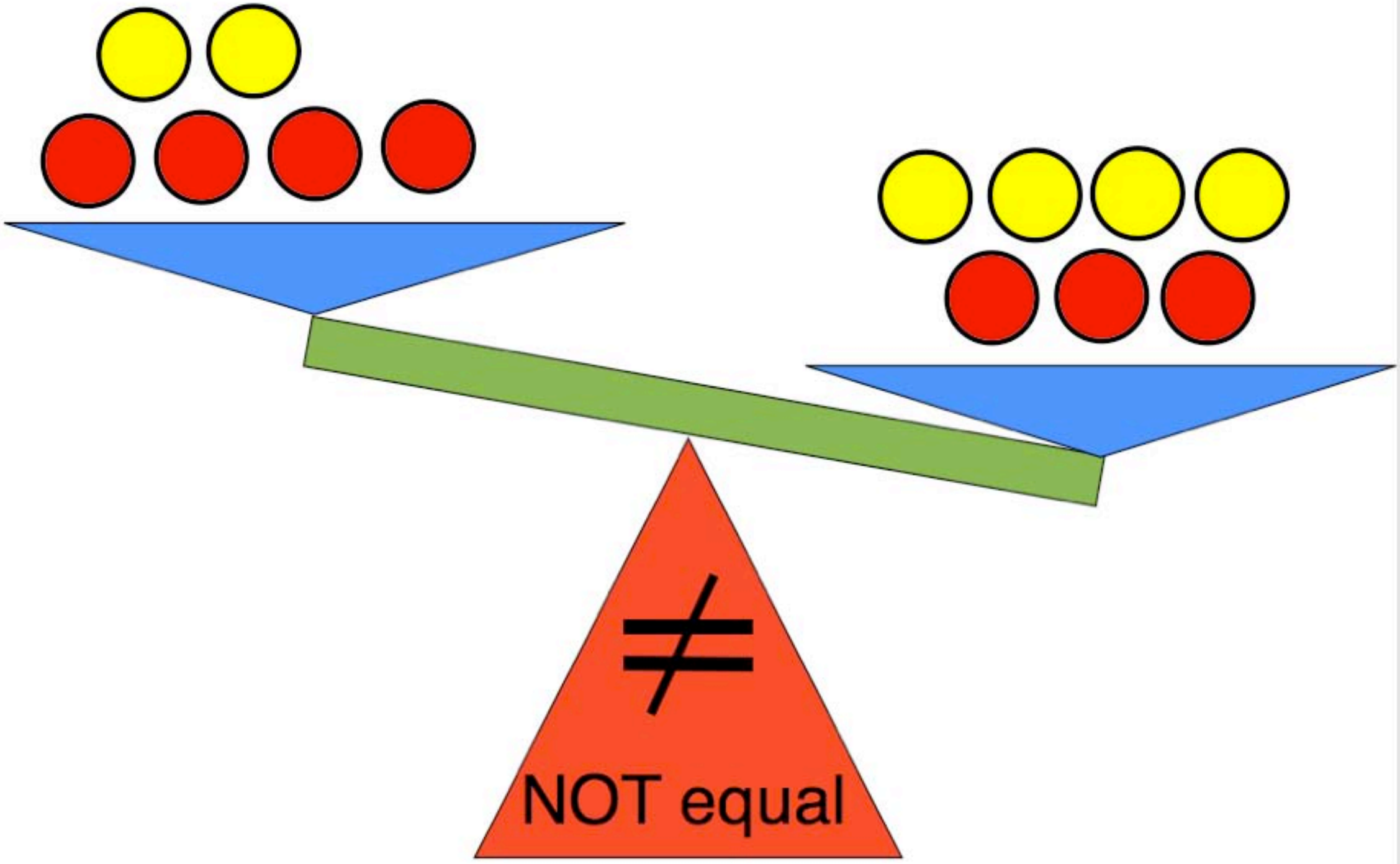


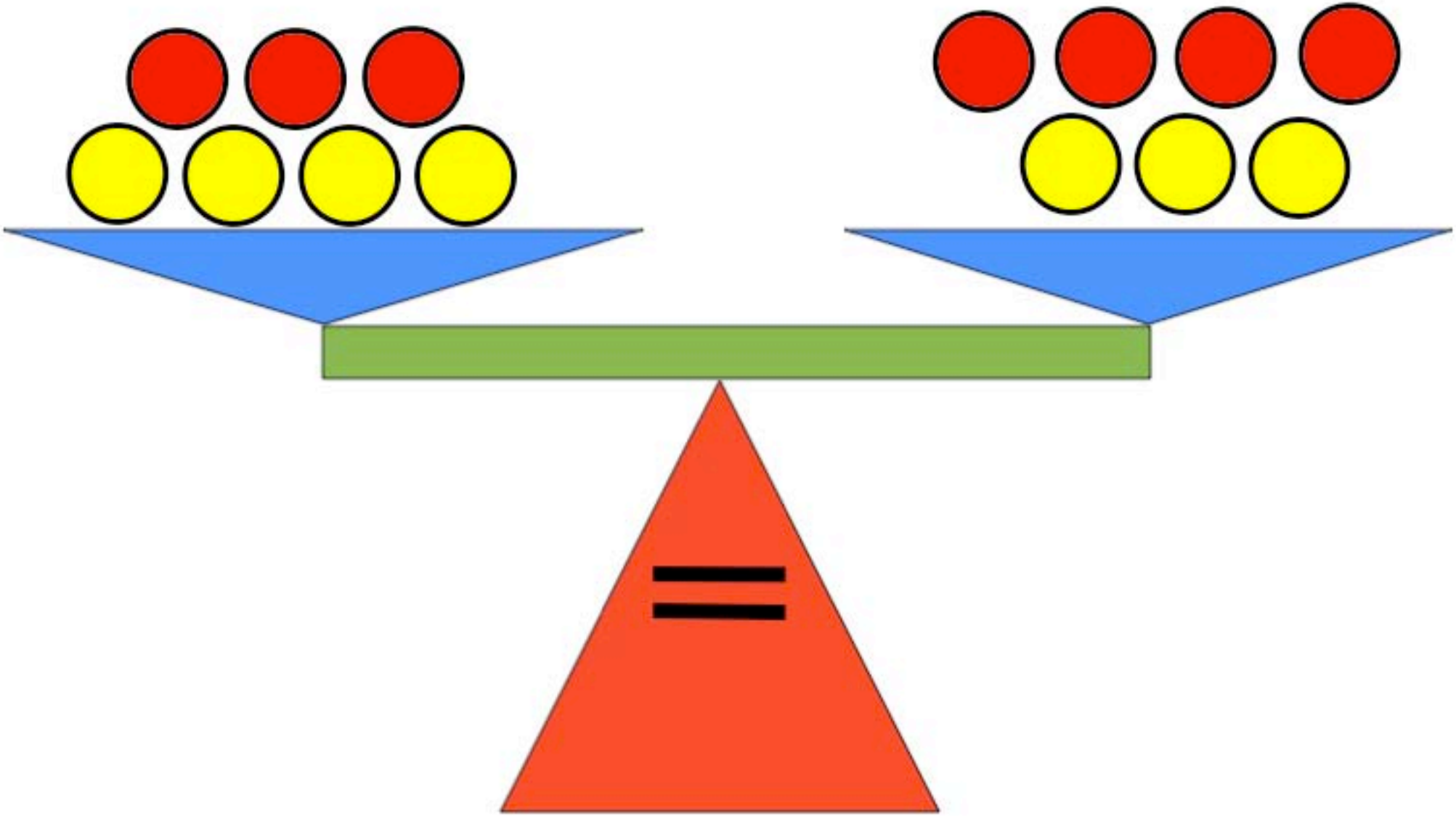
6 × 4 =

5 × 5 =

3 × 10 =




≠
NOT equal



Patterns

Standard:

What do students have to do? Look for verbs.	With what?	With what parameters? Which figures, numbers, shapes?	Essential Understandings

Common Factors

NAME _____