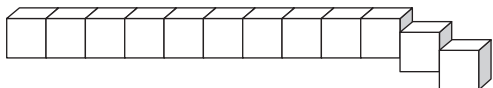


# Counting and Larger Numbers

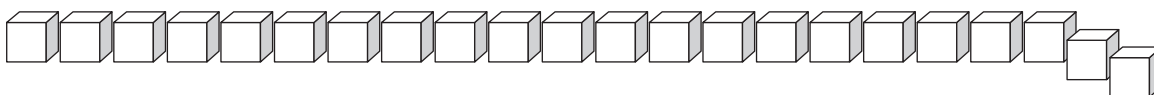
Each train is made from cubes. Suppose you want to count the cubes as fast as you can. What strategy could you use to quickly count all the cubes?

**1**



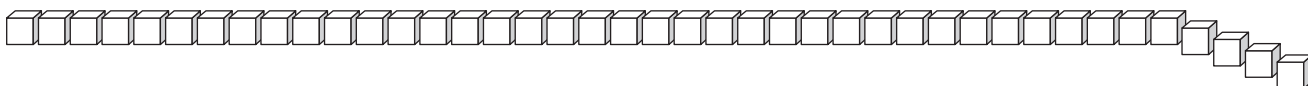

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**2**




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**3**

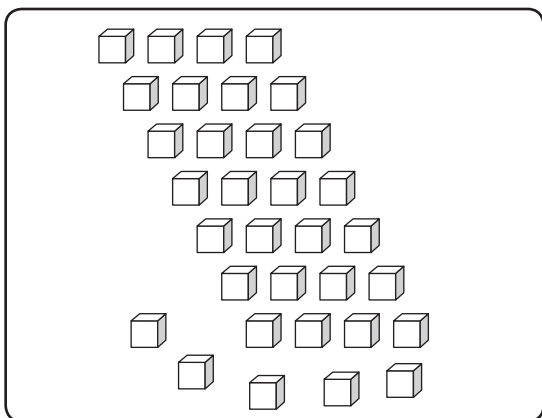



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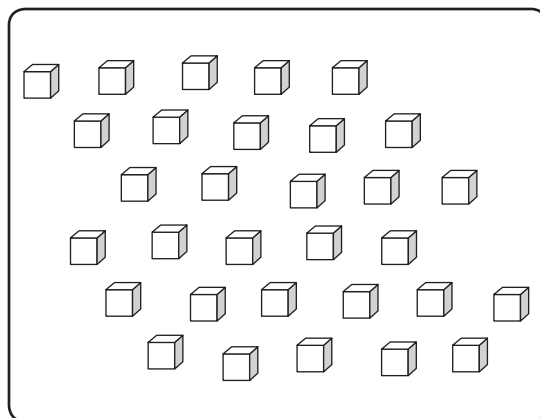
How could you use place value to find which group has the larger number of cubes?

**4**

**A**



**B**



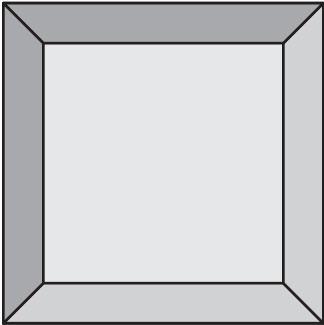

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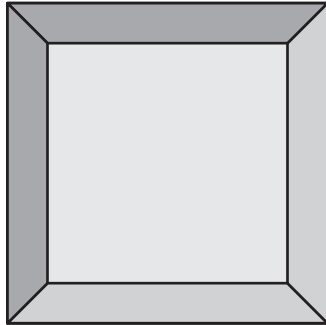
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# Making 10, Adding 10

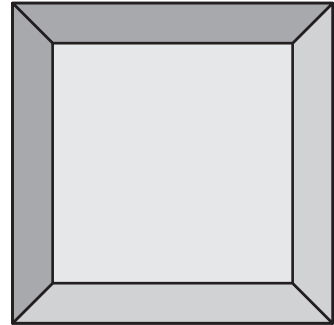
Find 10 more ways to place 10 counters in 3 boxes.  
Write a number sentence to describe each way.



A



B

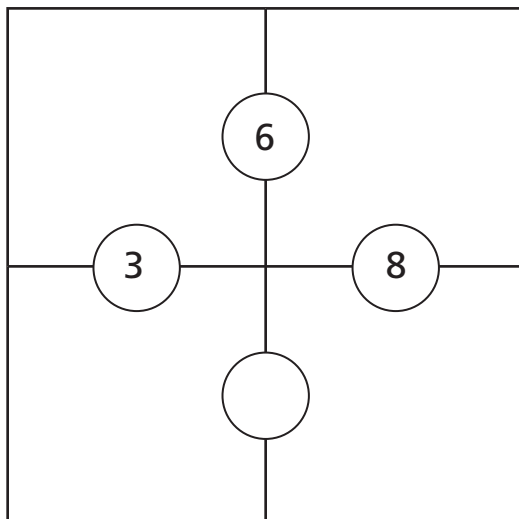


C

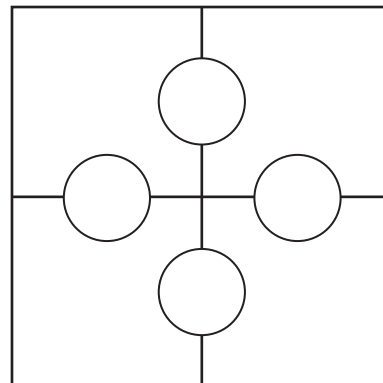
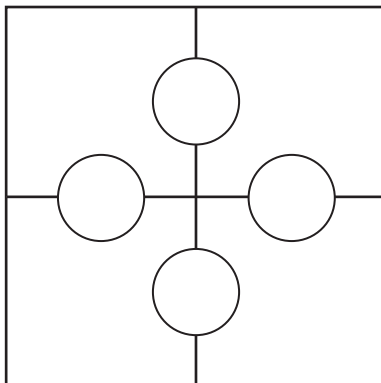
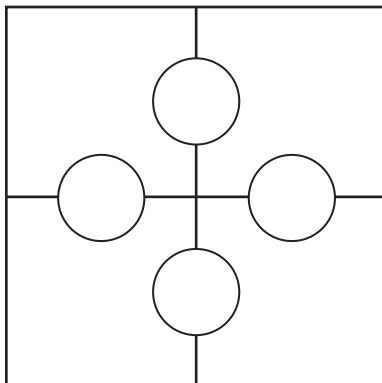
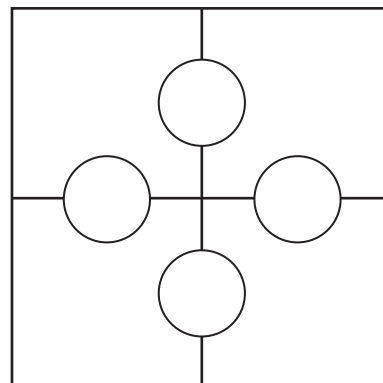
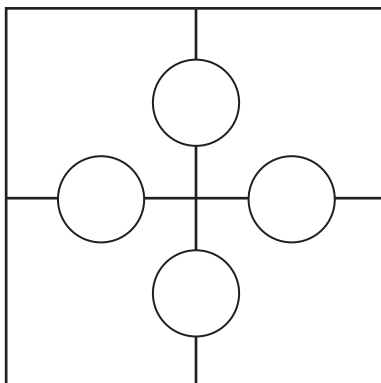
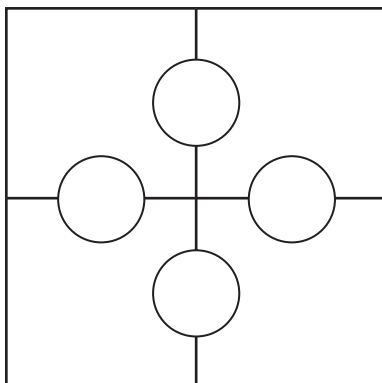
Box A	Box B	Box C	Number Sentence
3	0	7	$3 + 0 + 7 = 10$

# Addition Puzzles

Complete this addition puzzle by filling in the boxes. Use the frames below to show all possible solutions.

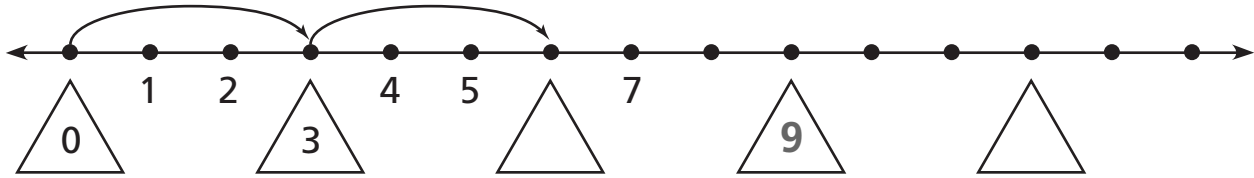
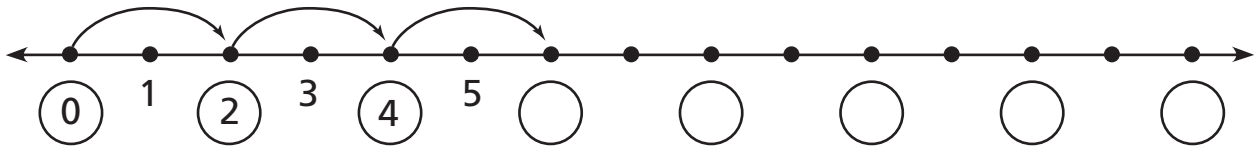
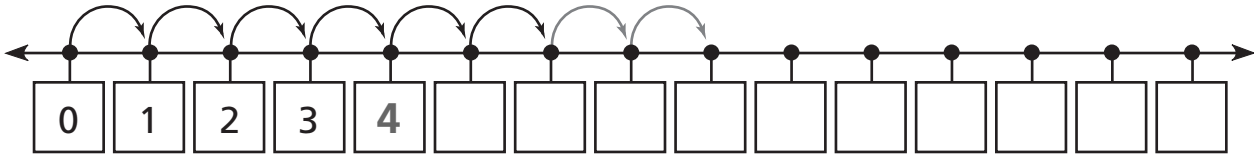


There are  solutions to this puzzle, but the number  will always be in the empty circle.



# Counting on a Number Line

Use the number lines from Problems 1 to 4 on LAB page 7 to answer the questions.



**1** The number zero had a tag on every number line in Problems 1 to 3. Which other numbers had tags on all three number lines?

\_\_\_\_\_

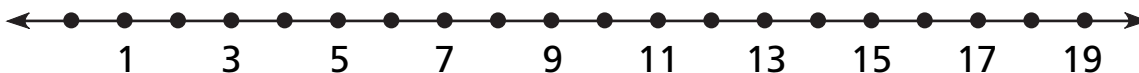
**2** What is the next number that would be tagged on every number line in Problems 1 to 3, if the number lines continued?

\_\_\_\_\_

**3** What is the first number that would be tagged on every number line in Problems 1 to 4, if the number lines continued?

\_\_\_\_\_

# Adding on the Number Line



If you jump from one labeled point to another labeled point on this number line, will the number of spaces you jump over be:

- always odd,
- always even, or
- sometimes odd and sometimes even?

1 Try a few jumps and look for a pattern. Use the table to record your jumps. Circle the phrase above that matches the pattern.

<b>Start</b>	3	15									
<b>Land</b>	11	9									
<b>Spaces Jumped</b>											

2 If you add an odd number to an odd number, will the answer be:  
**(circle one)**

- odd,
- even, or
- can't tell?

# Subtracting on the Number Line

Label the number line and draw jumps to help complete the number sentences.

1



$$\boxed{36} + \boxed{\phantom{00}} = \boxed{43}$$

$$\boxed{45} - \boxed{\phantom{00}} = \boxed{39}$$

2



$$\boxed{\phantom{000}} - \boxed{4} = \boxed{172}$$

$$\boxed{\phantom{000}} + \boxed{4} = \boxed{171}$$

3



$$\boxed{723} - \boxed{8} = \boxed{\phantom{000}}$$

$$\boxed{\phantom{000}} + \boxed{7} = \boxed{728}$$

4



$$\boxed{952} + \boxed{9} = \boxed{\phantom{000}}$$

$$\boxed{965} - \boxed{\phantom{000}} = \boxed{961}$$

# Skip-Counting

1	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
101	102	103	104	105	106	107	108	109	110

- 1 Put an X through the multiples of 3 and circle the multiples of 4.
- 2 What marking do multiples of 6 always have? \_\_\_\_\_
- 3 If multiples of 2 were marked with a triangle, what would be the first number with an X and a triangle? \_\_\_\_\_
- 4 If multiples of 2 were marked with a triangle, what would be the first number with an X, a circle, and a triangle? \_\_\_\_\_

# Finding Missing Parts

1 Find numbers that make this sentence true.

$$\nabla + \square + 2 = 12$$

Record the numbers in the table below.

▽	9	6	2	3	1		5				
□	1	4				6		10			

2 This number sentence has too many possible solutions to list them all.

$$\triangle - 2 > \square$$

Record some of the possible solutions in the table.

△										
□										