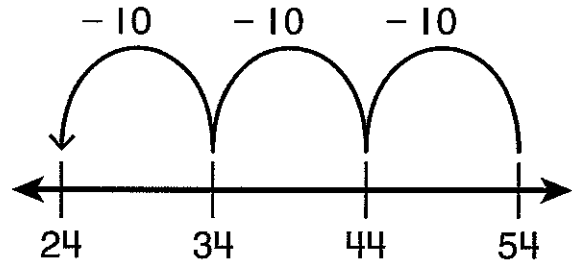


1. A flower shop has 54 roses. Then they sell 26 roses. The flower shop finds 10 more roses hidden away. How many roses do they have now?

- (A) 97                      (B) 32                      (C) 38                      (D) 28

2. Gina thinks this number line models  $54 + 30 = 84$ . She thinks 3 tens have been added to 54. Is she correct? Choose the correct explanation.



- (A) No. The number line shows starting at 54 and counting back by 3 tens.
- (B) Yes. The number line shows starting at 54 and counting on 3 tens.
- (C) No. The number line shows starting at 24 and counting on 3 tens.
- (D) No. The number line shows starting at 54 and counting back 4 tens.

3. Jasmine has 78 beads. She uses 25 beads to make a necklace.

How many beads does Jasmine have now? Write an equation to show your work and solve.

\_\_\_\_\_ ○ \_\_\_\_\_ = \_\_\_\_\_  
\_\_\_\_\_ beads

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

4. Which is the difference of  $45 - 8$ ?

- (A) 53
- (B) 38
- (C) 37
- (D) 33

5. Jared has 59 coins.  
18 of the coins are pennies.  
22 coins are nickels.  
The rest of the coins are dimes. How many of the coins are dimes?

- (A) 18
- (B) 19
- (C) 21
- (D) 29

6. Mike has 26 pencils. Then he gives away 8 pencils. Which equations can be used to find how many pencils Mike has left?

- (A)  $24 + 4 = 30$  and  $30 + 4 = 34$
- (B)  $26 - 6 = 20$  and  $20 - 2 = 18$
- (C)  $26 - 10 = 16$  and  $16 + 8 = 24$
- (D)  $26 + 10 = 36$  and  $36 - 2 = 34$

7. Subtract. Break apart the number you are subtracting. Show your work.

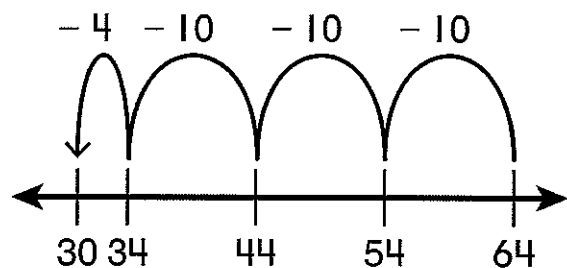
$$63 - 9 = ?$$

$$63 - 9 = \underline{\quad}$$

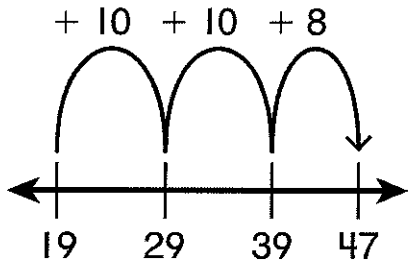
8. **Part A** Write the equation that the number line shows.

**Part B** Then, explain what the jumps are showing.

$\underline{\quad} - \underline{\quad} = \underline{\quad}$



9. The number line shows adding up to subtract to find  $47 - 19$ . What is the difference? Explain how you know.



10. Use the open number line to find the difference.

$$60 - 25 = ?$$

60 - 25 = \_\_\_\_

11. A. 47 children are at the park. 18 children leave.

How many children are left?

Will adds 3 to 47 to make an easier problem,  $50 - 18$ .

He says 32 children are left.

Circle whether you agree or do not agree.

**Agree**

**Do Not Agree**

- B. Explain why you agree or do not agree with Will's strategy.


\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_


12. Use the open number lines. Show two different ways to find  $51 - 13$ . Show your work.

**One Way**



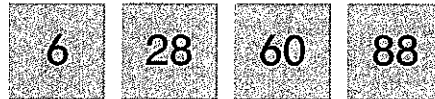
$51 - 13 = \underline{\quad}$

**Another Way**



$51 - 13 = \underline{\quad}$

13. Use the number cards to find the missing numbers. What strategy did you use to solve the problem? Explain.



$82 - 54 = \underline{\quad}$

$+ 6$        $\boxed{+}$

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

14. 6 black cats and 5 orange cats are in the barn. Then 8 cats leave. How many cats are still in the barn? Solve. Show your work.

Step 1

Step 2

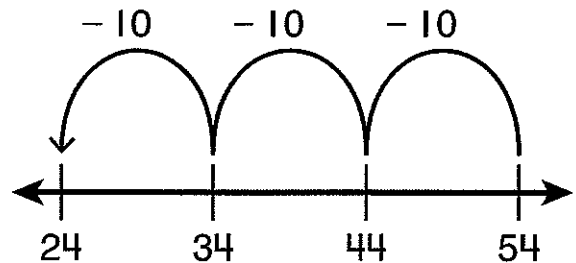
$\underline{\quad}$  cats

1. A flower shop has 54 roses. Then they sell 26 roses. The flower shop finds 10 more roses hidden away. How many roses do they have now? **1 point**

- (A) 97                      (B) 32                      (C) 38                      (D) 28

2. Gina thinks this number line models  $54 + 30 = 84$ . She thinks 3 tens have been added to 54. Is she correct? Choose the correct explanation. **1 point**

(A) No. The number line shows starting at 54 and counting back by 3 tens.



- (B) Yes. The number line shows starting at 54 and counting on 3 tens.
- (C) No. The number line shows starting at 24 and counting on 3 tens.
- (D) No. The number line shows starting at 54 and counting back 4 tens.

3. Jasmine has 78 beads. She uses 25 beads to make a necklace.

**Check students' work.**

How many beads does Jasmine have now? Write an equation to show your work and solve. **2 points**

78  $\ominus$  25 = 53  
53 beads

41	42	43	44	45	46	47	48	49	50
51	52	(53)	<del>54</del>	<del>55</del>	<del>56</del>	<del>57</del>	<del>58</del>	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	(78)	79	80

4. Which is the difference of  $45 - 8$ ? 1 point

- (A) 53
- (B) 38
- (C) 37
- (D) 33

5. Jared has 59 coins.  
18 of the coins are pennies.  
22 coins are nickels.  
The rest of the coins are dimes. How many of the coins are dimes? 1 point

- (A) 18
- (B) 19
- (C) 21
- (D) 29

6. Mike has 26 pencils. Then he gives away 8 pencils. Which equations can be used to find how many pencils Mike has left? 1 point

- (A)  $24 + 4 = 30$  and  $30 + 4 = 34$
- (B)  $26 - 6 = 20$  and  $20 - 2 = 18$
- (C)  $26 - 10 = 16$  and  $16 + 8 = 24$
- (D)  $26 + 10 = 36$  and  $36 - 2 = 34$

7. Subtract. Break apart the number you are subtracting. Show your work. 2 points

$$63 - 9 = ?$$

Sample answer given.

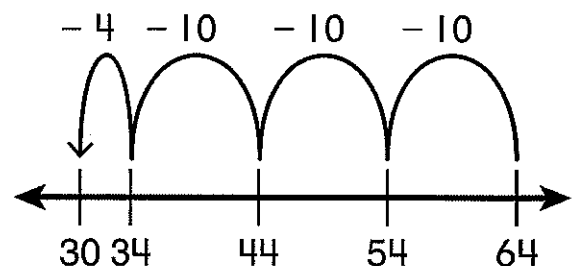
$$\begin{array}{r} 63 - 9 \\ \begin{array}{l} \diagdown \quad \diagup \\ 3 \quad 6 \end{array} \\ 63 - 3 = 60 \\ 60 - 6 = 54 \\ 63 - 9 = \underline{54} \end{array}$$

8. **Part A** Write the equation that the number line shows. 1 point

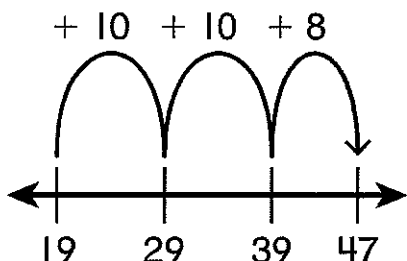
**Part B** Then, explain what the jumps are showing. 1 point

$$\underline{64} - \underline{34} = \underline{30}$$

Sample answer: 3 tens are counted back from 64 and then 4 ones from 34.



9. The number line shows adding up to subtract to find  $47 - 19$ . What is the difference? Explain how you know. 1 point

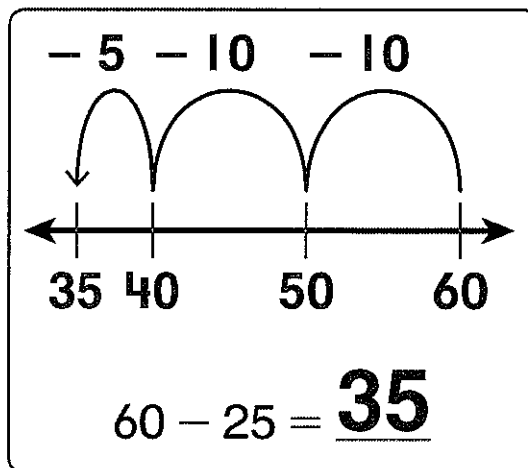


**28; Sample answer:**  
**Add up 28 from 19:**  
 $10 + 10 + 8 = 28.$   
**So,  $47 - 19 = 28.$**

10. Use the open number line to find the difference. 2 points

$$60 - 25 = ?$$

**Check students' work.**  
**Sample answer given.**



11. A. 47 children are at the park. 18 children leave.

How many children are left?

Will adds 3 to 47 to make an easier problem,  $50 - 18$ .

He says 32 children are left.

Circle whether you agree or do not agree. 1 point

**Agree**

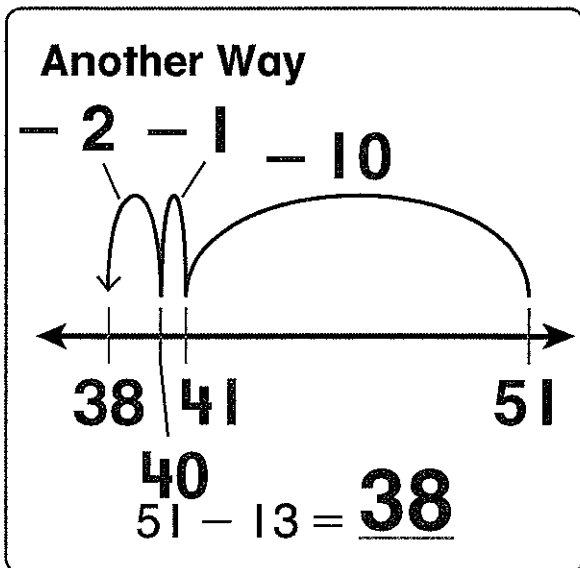
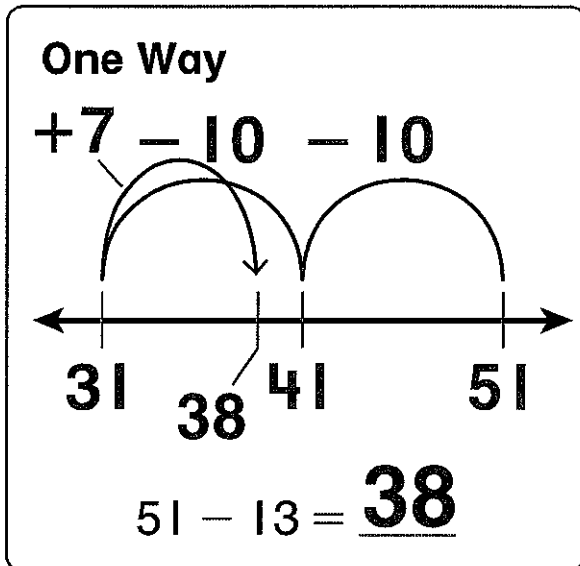
**Do Not Agree**

- B. Explain why you agree or do not agree with

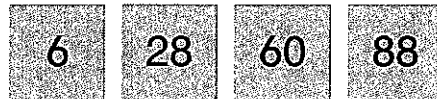
Will's strategy. 1 point

**Sample answer: Will added 3 to 47, so he**  
**needed to subtract 3 from 32 to get the correct**  
**answer, 29 children.**

12. Use the open number lines. Show two different ways to find  $51 - 13$ . Show your work. 2 points  
**Check students' work.**  
**Sample answers given.**



13. Use the number cards to find the missing numbers. What strategy did you use to solve the problem? Explain. 2 points



$82 - 54 = \underline{28}$

$+ 6$        $\boxed{+6}$

$\underline{88} - \underline{60} = \underline{28}$

**Sample answer: I used compensation because it made it easier to find the difference.**

14. 6 black cats and 5 orange cats are in the barn. Then 8 cats leave. How many cats are still in the barn? Solve. Show your work. 2 points

Step 1  
 $6 + 5 = 11$

Step 2  
 $11 - 8 = 3$

3 cats