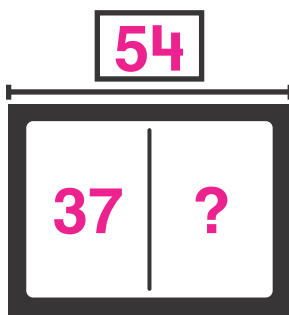


Name _____

1. Milo has 37 pencils. He buys some more. Now Milo has 54 pencils. How many pencils does Milo buy?

Use the bar diagram to help you write an equation.

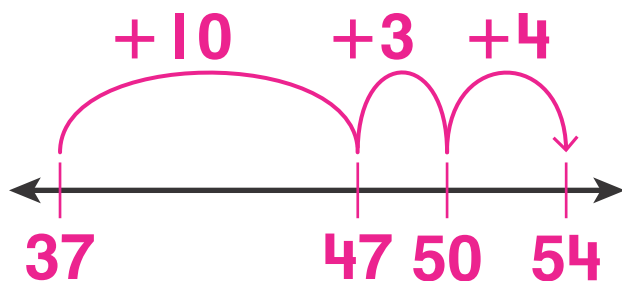
Then use the open number line to solve. **2 points**



$$\underline{37} + \underline{\quad ? \quad} = \underline{54}$$

17 pencils

**Sample work shown.
Check students' work.**



2. David has 23 more stamps than Leah. David has 42 stamps. How many stamps does Leah have?

Part A

Can you use the equation to solve the problem? Circle Yes or No. **1 point**

$? + 23 = 42$ Yes No

$42 + 23 = ?$ Yes No

$42 - 23 = ?$ Yes No

$23 + ? = 42$ Yes No

Part B

How many stamps does Leah have? **1 point**

19 stamps

3. Brad has 14 fewer dimes than Elena. Elena has 65 dimes. How many dimes does Brad have?

Solve any way you choose.
Show your work. **2 points**

Check students' work.

51 dimes

4. Write a number story for $75 - 28 = ?$. Then solve the story problem. **2 points**

Sample problem:

75 people are on a bus. 28 people get off the bus. How many are left?

$$75 - 28 = \underline{47}$$

5. Jacob needs 86 beads to make a necklace. The colors of the beads he needs are red, yellow, and blue. He has 34 red beads and 17 yellow beads. How many blue beads does Jacob need?

Write equations to solve.
Then write the answer.

2 points

$$\underline{34} + \underline{17} = \underline{51}$$

$$\underline{86} - \underline{51} = \underline{35}$$

Sample equations given.

Jacob needs 35 more beads.

6. Ava has 47 more crayons than Ben. Ava has 71 crayons. How many crayons does Ben have?

Explain how you will solve the problem. Then solve.

2 points

Sample answer:
Ava has 71 crayons. Ben has 47 fewer crayons than that. I will count on from 47 to 71 to solve.

$$71 - 47 = ?$$

$$47 + 20 = 67;$$

$$67 + 3 = 70;$$

$$70 + 1 = 71.$$

Add $20 + 3 + 1 = 24$,
so $71 - 47 = 24$.

Ben has 24 crayons.

7. Willie collects cans to be recycled. The table shows the number of cans he has collected.

Number of Cans	
Thursday	16
Friday	25
Saturday	34

Part A

How many fewer cans did Willie collect on Thursday than on Saturday? **1 point**

18 fewer cans

Part B

Willie collects some more cans on Sunday. He now has 90 cans. Find the missing number in the equation to find how many cans Willie collects on Sunday. **1 point**

$$16 + 25 + 34 + \underline{15} = 90$$

8. Find the missing number that makes each equation true. **1 point**

$$21 - 10 = 15 - \underline{4}$$

$$49 + 20 = 39 + \underline{30}$$

9. Find the missing number that makes each equation true. **1 point**

$$32 + \underline{8} = 19 + 6 + 15$$

$$57 - 3 = 10 + 20 + \underline{24}$$