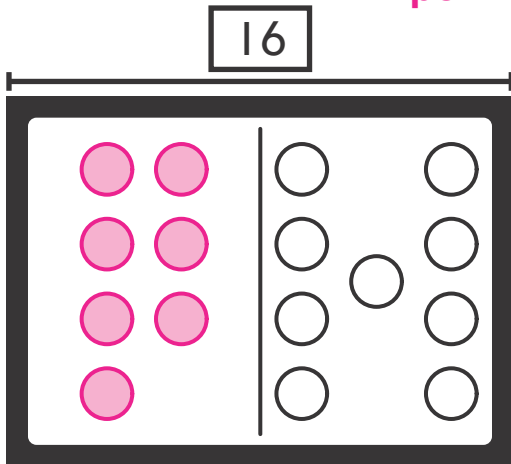


Name _____

1. **A.** Complete the model.
Then write the missing number in the equation.
2 points



$$16 = \underline{7} + 9$$

- B.** The sum in the equation has increased by 2 to give $18 = \square + 9$.
What is the missing number? **1 point**

$$18 = \underline{9} + 9$$

2. **A.** Which number is missing? **1 point**

$$14 - \underline{\quad} = 3 + 4$$

- (A) 9 (C) 7
(B) 8 (D) 6

- B.** Write the missing numbers to make each equation true. **1 point**

$$14 - \underline{6} = 3 + 5$$

$$14 - \underline{5} = 3 + 6$$

$$14 - \underline{4} = 3 + 7$$

3. Tell if the equation is **True** or **False**. **1 point**

$$5 + 6 = 10 - 1$$

True

False

4. Linda has 7 picture books and 6 coloring books.

How many more books does Linda need if she wants a total of 17 books?

4 books

1 point

5. Carly has 12 bananas. She uses 4 of them to make banana bread. Evan has 10 bananas. How many should he use so he has the same number as Carly? **1 point**

$$12 - 4 = 10 - \underline{2}$$

2 bananas

6. Jill, Chris, and Bobby are building with blocks. Jill has 6 blocks. Chris has 8 blocks. How many blocks does Bobby have if they have 19 blocks in all? **1 point**

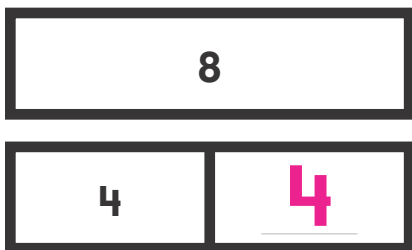
(A) 2

(B) 3

(C) 4

(D) 5

7. In a basketball game, Joe scores 4 points fewer than Jeanie. Jeanie scores 8 points. How many points did Joe score? Complete the bar diagram and write an equation to match the story. **2 points**



Sample equation shown.

$$\underline{8} - \underline{4} = \underline{4}$$

4 points

8. Write the missing symbol (+, -, or =) to make the equation true. Use precise math language to explain how you chose the symbol. **2 points**

$$18 = 5 + 8 \oplus 5$$

Sample answer: First

I added $5 + 8 = 13$.

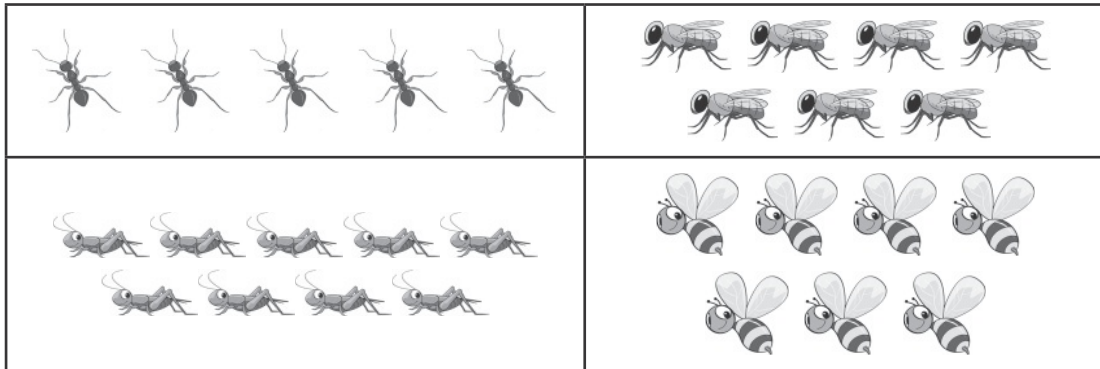
I need to add 5 more

to 13 to equal 18, so I

wrote +.

A Box of Bugs

Ms. Lee gives her students a box of plastic insects.



1. Complete the equation below to show the number of crickets and flies. Use numbers and symbols (+, -, =). **1 point**

$$9 + \underline{7} = \underline{16}$$

2. How many ants, flies, and bees are in the box? **2 points**

Write an equation to solve.

Order of addends may vary.

$$\underline{5} + \underline{7} + \underline{7} = \underline{19}$$

Explain how you added.

Use pictures, numbers, or words.

Check students' explanations.

Sample answer:

$7 + 7 = 14$ is a

double, so I added

it first. Then I

added $14 + 5 = 19$.

3. Mia puts the ants and crickets on the desk. Kate puts the flies and bees on the desk. Do they put an equal number of insects on the desk? **3 points**

Complete the equation.

Sample equation shown.

$$\begin{array}{r} 5 \\ \hline \end{array} + \begin{array}{r} 9 \\ \hline \end{array} =$$

$$\begin{array}{r} 7 \\ \hline \end{array} + \begin{array}{r} 7 \\ \hline \end{array}$$

Fill in the missing numbers.

Mia puts 14 insects on the desk.

Kate puts 14 insects on the desk.

Do they put an equal number of insects on the desk? Circle **Yes** or **No**.

Yes

No

4. Juan says there are 4 more crickets than ants. What equation can he use to find out if he is right? **1 point**

$$9 \ominus \underline{4} \ominus \underline{5}$$

or $9 - 5 = 4$

5. Deon says that if there were 3 fewer bees, then the number of bees would be equal to the number of ants. He writes the equation below. Is this equation true or false? Explain how you know.

$$7 - 3 = 5$$

2 points

False; Sample answer:
 $7 - 3 = 4$. 4 is not equal to 5.

6. Ms. Lee gives the students more ants. Now they have 11 in all. How many more ants does Ms. Lee give the students? Complete the equation using +, -, or =.

$$11 \ominus 5 \oplus 6$$

3 points

6 more ants

Use precise math language to explain how you chose the symbols.

Sample answer: 11 is the total, so I wrote = first. $5 + 6 = 11$, so I wrote +.