

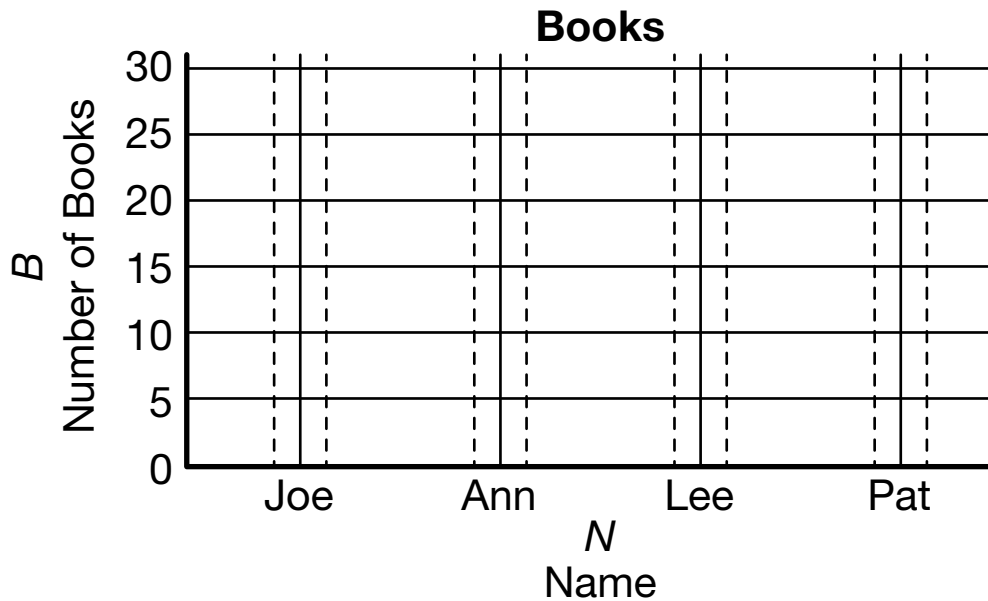
# Midyear Test

**Part 1** You will need a *200 Chart* and the *Addition Strategies Menu* in the *Student Activity Book Reference* section.

1. Make a bar graph of the number of books.

**Books**

<i>N</i> Name	<i>B</i> Number of Books
Joe	23
Ann	15
Lee	11
Pat	5



2. How many more books does Ann have than Pat?

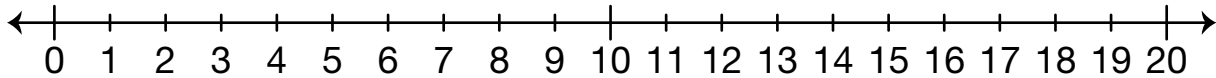
Number sentence \_\_\_\_\_

3. How many more books does Ann have than Lee?

Number sentence \_\_\_\_\_

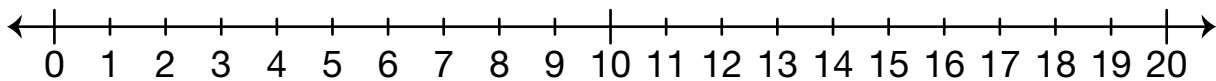
**Show or tell how you solved the problem and write a number sentence. Remember to use labels.**

4. Levi had 8 buttons. Diana gave him some more buttons. Now he has 15 buttons. How many buttons did Diana give him?



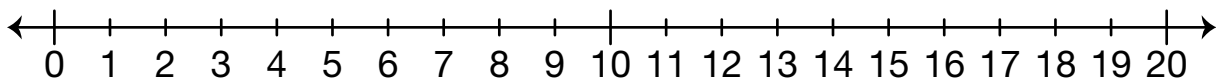
Number sentence \_\_\_\_\_

5. Sara had some tiles on her desk. Kim gave her 7 more tiles. Now she has 12 tiles. How many tiles did Sara have at the beginning?



Number sentence \_\_\_\_\_

6. Johnny has 12 coins. Nine of his coins are pennies and the rest are nickels. How many nickels does Johnny have?



Number sentence \_\_\_\_\_

7. Show each number using base-ten shorthand and a number sentence.

	Number	Base-Ten Shorthand	Number Sentence
A.	216		
B.	321		
C.	46		
D.	153		

- E. Write the numbers above in order from smallest to largest.

\_\_\_\_\_

8. Use the *200 Chart* answer the questions.

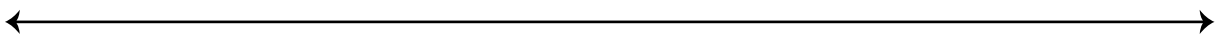
A. What number is 10 more than 86? \_\_\_\_\_

B. What number is 10 less than 145? \_\_\_\_\_

C. What number is 14 more than 82? \_\_\_\_\_

D. What number is 22 less than 74? \_\_\_\_\_

9. A base-ten hopper made one hop of 100, 8 hops of 10, and 12 hops of 1. Use the number line to show where he landed and write a number sentence.



Number sentence \_\_\_\_\_

- 10.** Show or tell how to use a mental math strategy to solve  $6 + 7 = \square$  two different ways.

One Way:

Another Way:

- 11.** Show how to solve  $48 + 36$  two different ways: using a mental math strategy and a paper-and-pencil method.

Mental Math Strategy

Paper-and-Pencil Method

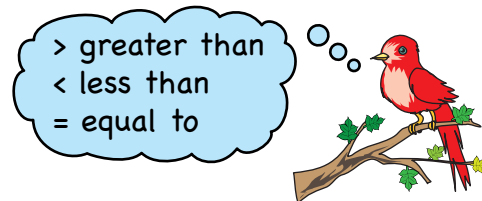
- 12.** Compare these quantities. Use  $>$ ,  $<$ , or  $=$ .

**A.**  $6 + 7 \bigcirc 12 - 2$

**B.**  $11 - 4 \bigcirc 4 + 3$

**C.**  $9 + 3 \bigcirc 8 + 6$

**D.**  $14 - 8 \bigcirc 12 - 6$



**Part 2** You will need a centimeter and inch ruler, a *200 Chart*, and the *Addition Strategies Menu* in the *Student Activity Book Reference* section.

13. List the number sentences in the fact family for 3, 5, and 8.

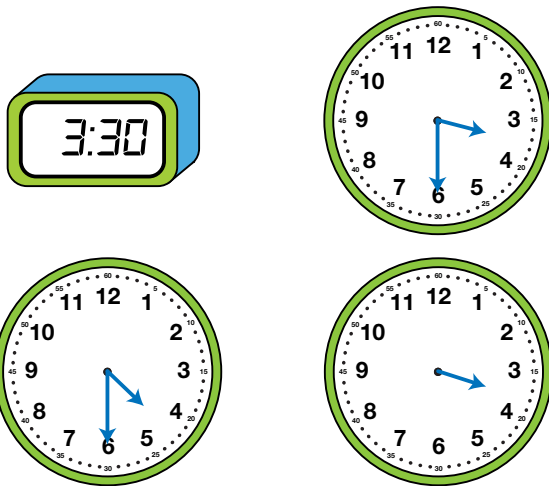
\_\_\_\_\_

\_\_\_\_\_

14. Is it true or false? Circle true or false for each problem.

- |   |      |       |
|---|------|-------|
| A. $415 = 100 + 40 + 5$                           | True | False |
| B. 126 = 12 tens and 6 ones                       | True | False |
| C. $213 = 21 + 3$                                 | True | False |
| D. $164 = 1 \text{ hundred and } 64 \text{ tens}$ | True | False |

15. A. Circle all the clocks that show 3:30 PM.



B. What could you be doing at 3:30 PM?

\_\_\_\_\_

\_\_\_\_\_

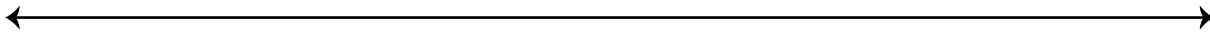
16. What is the value of each set of coins? Include labels.

A.  \_\_\_\_\_

B.  \_\_\_\_\_

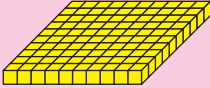


C.  \_\_\_\_\_

17. Show how to use a number line to solve  $24 + 18$ . Write a number sentence.



Number sentence \_\_\_\_\_

18. Complete the chart.

Number	Hundreds 	Tens 	Ones 	Number Sentence
145				
216				
307				

- 19.** Use your ruler to measure the length of the pencil in centimeters and inches. Remember to label your measurements.



Measurement \_\_\_\_\_

Measurement \_\_\_\_\_

- 20.** Peter measured the length of a marker. He measured it in both centimeters and inches. Circle the measurements that you think are reasonable.

5 inches or 13 centimeters      5 centimeters or 13 inches

Show or tell how you decided.

\_\_\_\_\_

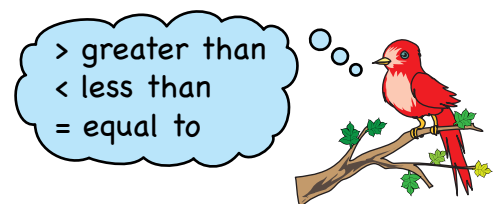
\_\_\_\_\_

- 21.** Compare these quantities. Use  $>$ ,  $<$ , or  $=$ .

**A.** 100 cm  100 inches

**B.** 5 meter  5 inches

**C.** 1 meter  5 cm



**22.** Circle true or false for each number sentence.

**A.**  $20 + 10 + 5 = 10 + 10 + 10 + 5$       True      False

**B.**  $20 + 20 + 5 = 10 + 10 + 10 + 5$       True      False

**C.**  $10 + 10 + 10 + 10 + 4 = 20 + 4$       True      False

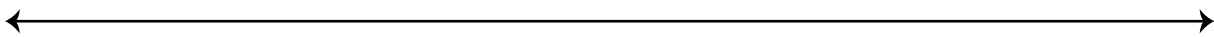
**23.** Solve the problem using a mental math strategy or paper-and-pencil method. Estimate to check if your answer is reasonable.

Estimate

$$\begin{array}{r} 49 \\ + 23 \\ \hline \end{array}$$

**24.** Show or tell how to solve  $58 + 25$ . Use the number line or explain how you would solve it on the 200 Chart.

Number Line:



200 Chart:



**25.** Moe solved the addition problem below.

Moe's Solution:

$$\begin{array}{r} 76 \\ + 19 \\ \hline 815 \end{array}$$

Estimate the sum and show or tell if Moe's answer is reasonable.

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Use a mental math strategy or paper-and-pencil method to solve the problem.

My Solution:

$$\begin{array}{r} 76 \\ + 19 \\ \hline \end{array}$$