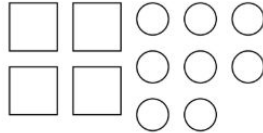


Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## Algebra Review Day Homework

1. If the number resulting from a step in a number trick is represented by

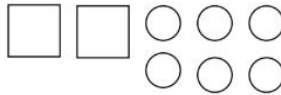


What would represent two less than the number?

a) In algebra pieces:

b) As an algebraic expression:

2. If the number resulting from a step in a number trick is represented by



What would represent the result of doubling this number?

a) In algebra pieces:

b) As an algebraic expression:

3. If the number resulting from a step in a number trick is represented by



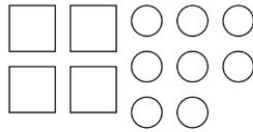
What would represent the result of taking away the original number?

a) In algebra pieces:

b) As an algebraic expression:

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

4. If the number resulting from a step in a number trick is represented by



What would represent the result of dividing this number by 4?

a) In algebra pieces:

b) As an algebraic expression:

6. Johanna is making a number trick. She adds two to her secret number, and then multiplies the result by five. Next she adds three, and finally divides that result by two. Use backtracking to find her secret number if her final result was 9.

7. Dalton is making a new kind of number trick. He subtracts ten from her secret number, doubles the result, adds two and then divides that answer by four. If his answer was 3, use backtracking to find his secret number.

14. Shorty Stopp had 9 hits in 30 times at bat. Complete the chart.

Number of hits	9					
Times at bat	30	10	50	60	80	100

What percent of the time did Shorty get a hit? \_\_\_\_ Explain how you found your answer.