1. When the sum of 8 and 5 is subtracted from the product of 8 and 5, what is the difference?
2. The moon is about two hundred fifty thousand miles from Earth. Use digits to write that distance.
3. Use words to write 521,000,000,000.
4. Use digits to write five million, two hundred thousand.
5. Robin entered a tennis tournament when she was three-score years old. How old was robin when she entered the tournament? How do you know your answer is correct? (Recall that one score equals 20 years.)
6. The auditorium at the Community Cultural Center has seats for 1000 people. For a symphony concert at the center, 487 tickets have already been sold. How many more tickets are still available? Write an equation and solve the problem.
7. It is 405 miles from Minneapolis, Minnesota to Chicago, Illinois. It is 692 miles from Minneapolis to Cincinnati, Ohio. Cincinnati is how many miles farther from Minneapolis that Chicago? Write and equation and solve the problem.

For problems 8 and 9, use mental math to solve the problems and then explain what strategy you used.

1. 99 + 100 + 101
2. 9 x 10 x 11
3. Which digit is in the thousands place in 54,321?
4. What is the place value of the 1 in 1,234,567,890?
5. The three sides of an equilateral triangle are equal in length. What is the perimeter of the equilateral triangle shown?
6. 5432 ÷ 100
7. 60000/30
8. 1000 ÷ 7
9. $4.56 ÷ 3
10. Compare 3 + 2 + 1 + 0 \_\_\_ 3 x 2 x 1 x 0
11. The rule for the sequence below is different form the rules for addition sequences or multiplication sequences. What is the next number in the sequence?
 1, 4, 3, 6, 5, 8, \_\_\_\_\_\_, ….
12. What is ½ of 5280?
13. 365 ÷ w = 365
14. (5 + 6 + 7) ÷ 3
15. Write two ways to find the perimeter of a square: one way by adding and the other way by multiplying.
16. Multiply to find the answer to this addition problem:
125 + 125 + 125 + 125 + 125 + 125
17. At what temperatire on the Fahrenheit scale does water boil?
18. Show three ways to write “21 divided by 7”.
19. 8a = 816
20. b/4 = 12
21. 12/c = 4
22. D-16 =61