MODULE A

Topic: <u>Place Value, Expanded Form, Writing Numbers</u>

Write the following in Expanded Form, then write each number in words.

1. 256

2. 3408

3. 12,050

4. 20,561

5. 3,002,053

6. 120

7. 5709

8. 97,497

Write a number for each of the following:

9. 7 hundreds, 2 tens, 5 ones

10. 8 thousands, 3 tens

11. 15 hundreds

12. 30 tens

13. 200 hundreds

14. 500 tens

MODULE A

Topic: <u>Operations with Whole Numbers</u>

Evaluate each of the following:

1. $345 + 1205 + 899$

2. $40{,}781 + 2{,}095 + 33$

3. $1{,}872 - 265$

4. $10{,}302 - 521$

5. $3005 - 875$

6. $(135)(37)$

7. $(25)(5084)$

8. $(759)(976)$

9. $7488 \div 24$

10. $37\overline{)21{,}519}$

11. $18\overline{)3690}$

12. $17\overline{)52{,}374}$

MODULE A

Topic: Rounding and Estimation

Round each of the following:

1. 2038 to the nearest ten

2. 2038 to the nearest hundred

3. 13,902 to the nearest ten

4. 13,902 to the nearest hundred

5. 13,902 to the nearest thousand

6. 1,015,009 to the nearest ten thousand

7. 13,257,408 to the nearest ten

8. 13,257,408 to the nearest ten thousand

9. 13,257,408 to the nearest hundred

10. 13,257,408 to the nearest million

11. Estimate the sum of 654 and 985 by rounding to the nearest hundred

12. Estimate the difference of 12,837 and 957 by rounding to the nearest thousand.

13. Estimate using one non-zero digit: $24{,}078 \div 41$

14. Estimate the product of 312 and 71 by rounding to the nearest ten.

15. Estimate the quotient of 16,497 and 172 by rounding to the nearest hundred.

MODULE A

Topic: <u>Order of Operations</u>

Evaluate each of the following:

1. $20 \div 2 \cdot 5 + 6 \div 2$

2. $8 \div 2 + 3(8-5)^2$

3. $18 - 5 - 2 \cdot 4 + 2^3$

4. $20 - 14 \div (2+5)$

5. $(14+3) \div (5^2 - 5 - 2 \cdot 10)$

6. $6^2 - (5-4)^3$

7. $35 - 5 \cdot 6 \div 3$

8. $(12 - 8 + 24 \div 6)(10 - 5 \cdot 2)$

9. $\dfrac{15 - 3 \cdot 5}{6^2}$

MODULE A
CUMULATIVE REVIEW

Complete the following problems on a separate sheet of paper, and then check the answers against the answer sheet.

1. Write in words AND expanded form: 24,302

2. Estimate the sum of 6508 and 995 by rounding to the nearest hundred.

3. Find the quotient of 18,526 and 35.

4. What is the product of 0 and 513? What is the quotient of 0 and 513? What is the quotient of 513 and 0?

5. Estimate the difference of 18,421 and 2,742 by rounding to the nearest thousand.

6. Subtract 1,378 from 12,009.

7. Write the numeral: five million, twenty-two thousand, four hundred seven.

8. Fill in the blank with <, >, or = 24 _____ 42

9. Fill in the blank with <, >, or = (0)(13) _____ 0 /13

10. Fill in the blank with <, >, or =
The product of 2 and 23 _____ The difference of 50 and 9

11. Find the product of 278 and 343

12. Divide 3448 by 17

13. A computer can print 42 labels per minute. How many labels can be printed each hour?

14. Estimate the quotient of 8102 and 93 by rounding to the nearest ten.

15. Kathy drove 299 miles and used 13 gallons of gas. How many miles per gallon did she use?

16. Name the property illustrated $5 + 2 + 3 = 5 + 3 + 2$

17. Name the property illustrated: $(5 + 2) + 3 = 5 + (2 + 3)$

18. Evaluate: $6+(13-8)^2 \div 5$

19. Estimate the difference of 2982 and 1002 by rounding to the nearest hundred.

20. Evaluate: $24 \div 2 \cdot 3-(4-2)^2$

21. Write 12,004 in expanded form.

22. Evaluate: 6^0

23. Rachel rented a car for $23 a day. If she kept the car for 13 days, how much was the total rental fee?

24. Divide 8056 by 26.

25. Art has $275 to spend on shirts. If the cost of a shirt is $23, estimate the number of shirts Art can buy. (Round to the nearest ten.)

26. Suppose you go to an amusement park. The roller coaster ride can carry 15 passengers each time it runs. It takes 3 minutes for each roller coaster ride to run. How many passengers can ride the roller coaster each hour?

27. Write 2,340,052 in words.

28. Write 2,340,052 in expanded form.

29. Evaluate $420 \div (8-1) \cdot (2^2+3 \cdot 2)$

30. The maximum load for a light plane with full gas tanks is 500 pounds. If Jose weights 215 pounds, Yuen weighs 135 pounds, and Jane weighs 70 pounds, how much luggage can they take on the trip without exceeding the load limit?

31. Susie bought 5 items at the store. The prices of the items were $26, $93, $104, $520 and $387. ESTIMATE the total cost of the purchase by rounding the cost of each item using one non-zero digit.

32. Estimate the quotient of $27,824 and $592 by rounding with one non-zero digit.

33. Evaluate: $\dfrac{(2^2-4 \div 1)(2 \cdot 5-1)}{30-6 \cdot 2}$

34. Write each of the following as a number: A) 20 tens
    B) 30 hundreds
    C) 4 thousands
    D) 50 thousands