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
   Twenty-four thousand, three hundred two ***20,000 + 4000 + 300 + 2***
2. Estimate the sum of 6508 and 995 by rounding to the nearest hundred.
   7500
3. Find the quotient of 18,526 and 35.
   529 R11
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? ***0, 0, undefined***

5. Estimate the difference of 18,421 and 2,742 by rounding to the nearest thousand.
   15,000
6. Subtract 1,378 from 12,009. ***10,631***

7. Write the numeral: five million, twenty-two thousand, four hundred seven.
   5,022,407

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 ***95,354***

12. Divide 3448 by 17 ***202 R 14***

13. A computer can print 42 labels per minute. How many labels can be printed each hour? ***2,520 labels***

14. Estimate the quotient of 8102 and 93 by rounding to the nearest ten. ***90***

15. Kathy drove 299 miles and used 13 gallons of gas. How many miles per gallon did she use? ***23 miles per gallon***

16. Name the property illustrated $5 + 2 + 3 = 5 + 3 + 2$
    Commutative Property of addition
17. Name the property illustrated: $(5 + 2) + 3 = 5 + (2 + 3)$
    Associative Property of Addition

18. Evaluate: $6+(13-8)^2 \div 5$ *11*

19. Estimate the difference of 2982 and 1002 by rounding to the nearest hundred. ***2000***

20. Evaluate: $24 \div 2 \cdot 3 - (4-2)^2$ *32*

21. Write 12,004 in expanded form. ***10,000 + 2000 + 4***

22. Evaluate: 6^0 *1*

23. Rachel rented a car for $23 a day. If she kept the car for 13 days, how much was the total rental fee? ***$299***

24. Divide 8056 by 26. ***309 R22***

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.) ***about 14 shirts***

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? ***300 passengers***

27. Write 2,340,052 in words. ***Two million, Three hundred forty thousand, fifty-two***

28. Write 2,340,052 in expanded form. ***2,000,000 + ~~3,000,000~~ + 40,000 + 50 + 2***

29. Evaluate $420 \div (8-1) \cdot (2^2 + 3 \cdot 2)$ ***600***

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? ***80 lbs***

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. ***$1120***

32. Estimate the quotient of $27,824 and $592 by rounding with one non-zero digit. ***50***

33. Evaluate: $\dfrac{(2^2 - 4 \div 1)(2 \cdot 5 - 1)}{30 - 6 \cdot 2}$ ***0***

34. Write each of the following as a number:

20 tens	***200***
30 hundreds	***3000***
4 thousands	***4000***
50 thousands	***50,000***

KEY KEY KEY KEY KEY KEY

MODULE A

Topic: Place Value, Expanded Form, Writing Numbers

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

1. 256
   200+50+6
   Two hundred fifty-six

2. 3408
   3000 + 400 + 8
   Three thousand, four hundred eight

3. 12,050
   10,000 + 2000 + 50
   Twelve thousand, fifty

4. 20,561
   20,000 + 500 + 60 + 1
   Twenty thousand, five hundred sixty-one

5. 3,002,053
   3,000,000 + 2,000 + 50 + 3
   Three million, two thousand, fifty-three

6. 120
   100 + 20
   One hundred, twenty

7. 5709
   5000 + 700 + 9
   Five thousand, seven hundred nine

8. 97,497
   90,000 + 7000 + 400 + 90 + 7
   Ninety-seven thousand, four hundred ninety-seven

Write a number for each of the following:

9. 7 hundreds, 2 tens, 5 ones *725*

10. 8 thousands, 3 tens *8030*

11. 15 hundreds *1500*

12. 30 tens *300*

13. 200 hundreds *20000*

14. 500 tens *5000*

KEY KEY KEY KEY KEY KEY

MODULE A

Topic: Operations with Whole Numbers

Evaluate each of the following:

1. 345 + 1205 + 899
   2449

2. 40,781 + 2,095 + 33
   42,909

3. 1,872 – 265
   1607

4. 10,302 – 521
   9781

5. 3005 – 875
   2130

6. (135)(37)
   4995

7. (25)(5084)
   127,100

8. (759)(976)
   740,784

9. $7488 \div 24$
   312

10. $37\overline{)21{,}519}$
    581 R22

11. $18\overline{)3690}$
    205

12. $17\overline{)52{,}374}$
    3080 R14

KEY KEY KEY KEY KEY KEY

MODULE A

Topic: Rounding and Estimation

Round each of the following:

1. 2038 to the nearest ten
   2040

2. 2038 to the nearest hundred
   2000

3. 13,902 to the nearest ten
   13,900

4. 13,902 to the nearest hundred
   13,900

5. 13,902 to the nearest thousand
   14,000

6. 1,015,009 to the nearest ten thousand
   1,020,000

7. 13,257,408 to the nearest ten
   13,257,410

8. 13,257,408 to the nearest ten thousand
   13,260,000

9. 13,257,408 to the nearest hundred
   13,257,400

10. 13,257,408 to the nearest million
    13,000,000

11. Estimate the sum of 654 and 985 by rounding to the nearest hundred
    1700

12. Estimate the difference of 12,837 and 957 by rounding to the nearest thousand.
    12,000

13. Estimate using one non-zero digit: $24{,}078 \div 41$
    500

14. Estimate the product of 312 and 71 by rounding to the nearest ten.
    21,700

15. Estimate the quotient of 16,597 and 172 by rounding to the nearest hundred.
    83

KEY KEY KEY KEY KEY KEY

MODULE A

Topic: Order of Operations

Evaluate each of the following:

1. $20 \div 2 \cdot 5 + 6 \div 2$
   53

2. $8 \div 2 + 3(8-5)^2$
   31

3. $18 - 5 - 2 \cdot 4 + 2^3$
   13

4. $20 - 14 \div (2+5)$
   18

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

6. $6^2 - (5-4)^3$
   35

7. $35 - 5 \cdot 6 \div 3$
   25

8. $(12 - 8 + 24 \div 6)(10 - 5 \cdot 2)$
   0

9. $\dfrac{15 - 3 \cdot 5}{6^2}$
   0