

Name \_\_\_\_\_

*Minnesota Comprehensive  
Assessments- Series II*

**Math Grade 4.1  
Computation and Operations**

*Item Sampler and Answer Book*

**For 2006 & 2007**

*Directions*

**Mathematics Test  
General Directions to the Student**

- You may write in this test book as scratch paper. Your answers must be marked in your answer book.
  - This test has two kinds of questions, multiple-choice and open-ended.
1. Answer each multiple-choice question by filling in the circle in your answer book that matches the answer you think is best. The circle must be filled in completely for your answer to be scored. This sample question shows how to do this.

**Sample Question:**

$20 - 8 =$

A. 8  
B. 10  
C. 12  
D. 16

**Sample Answer:**     A     B     C     D

2. Answer each open-ended question by writing your answer in the space provided in your answer book. Be sure to write your answers clearly.
- You **may not** use a calculator for Segment 1.
  - You **may** use a calculator for Segment 2.

## **Segment 1**

Your teacher will tell you when to begin this segment.

You **MAY NOT** use a calculator for this segment.



*Computation and Operations- No Calculator*

1. Multiply.

$$90 \times 200$$

- A. 180
- B. 1,800
- C. 18,000
- D. 92,000

2. Multiply.

$$700 \times 80$$

- A. 560
- B. 56,000
- C. 5,600
- D. 560,000

3. Jacob has 8 rolls of quarters. There are 40 quarters in one roll.

How many quarters does he have?

- A. 32
- B. 25
- C. 320
- D. 240

4. There are 100 centimeters in one meter. How many centimeters are in 20 meters?

- A. 2,000
- B. 20
- C. 200
- D. 120

*Computation and Operations- No Calculator*

5. How many theater tickets were sold to all three groups of people?

<b>Groups</b>	<b>Number of Tickets</b>
Seniors	597
Adults	791
Children	728

- A. 2,606 tickets  
B. 2,116 tickets  
C. 2,516 tickets  
D. 1,616 tickets
6. Cheryl took 3 math tests in one marking period. Her scores were 89, 84, and 94. If she added her scores together, what would the total be?
- A. 270  
B. 267  
C. 367  
D. 276

7. Add the following numbers.

$$\begin{array}{r} 699 \\ + 756 \\ 489 \\ \hline \end{array}$$

- A. 1,724  
B. 1,744  
C. 1,844  
D. 1,944
8. Add the following numbers.

$$19 + 987 + 109 =$$

- A. 915  
B. 1,115  
C. 1,015  
D. 1,286

*Computation and Operations- No Calculator*

**9.** A baseball team had \$850 to spend on new equipment. They spent \$345 on new bats. They spent \$243 on new catcher's equipment. How much money does the team have left to spend?

- A. \$262
- B. \$588
- C. \$102
- D. \$272

**10.** In 2004, Minnesota produced 941 tons of potatoes. California produced 216 tons of potatoes. How many more tons of potatoes did Minnesota produce than California?

- A. 735 tons
- B. 1063 tons
- C. 1156 tons
- D. 725 tons

**11.** Subtract the following numbers.

$$\begin{array}{r} 721 \\ - 89 \\ \hline \end{array}$$

- A. 632
- B. 642
- C. 668
- D. 768

**12.** Subtract the following numbers.

$$602 - 96 =$$

- A. 516
- B. 596
- C. 506
- D. 526

*Computation and Operations*

**13.** Karen, Jeff and Lin each read 9 books. What is the total number of books the 3 friends read?

- A. 9 books
- B. 21 books
- C. 12 books
- D. 27 books

**14.** 8 students on the math team missed 4 days of school because they traveled to the national math competition. Which number sentence can be used to find the total days the students missed altogether?

- A.  $8 + 4 = 12$
- B.  $8 \div 4 = 2$
- C.  $8 - 4 = 4$
- D.  $8 \times 4 = 32$

**15.** Dillon made picture frames to sell at the school fundraiser. He sold them for \$6 each. He sold 9 picture frames. How much money did he make?

- A. \$63
- B. \$53
- C. \$56
- D. \$54

**16.** Lara buys 8 boxes of cookies. There are 8 cookies in one box. How many cookies does Lara buy in all?

- A. 56
- B. 63
- C. 64
- D. 66

## **Segment 2**

Your teacher will tell you when to begin this segment.

You **MAY** use a calculator for this segment.



*Computation and Operations*

17. Last year there were 2,012 students enrolled in Woodland High School. This year there are 1,967. How many more students were enrolled last year?

- A. 55
- B. 65
- C. 35
- D. 45

18. Roderick had \$900. He bought the following office supplies for his employee:

- 1 laptop computer for \$792
- 1 cellular telephone for \$36
- 1 daily planner book for \$23

How much money did he have left?

- A. \$851
- B. \$39
- C. \$49
- D. \$59

19. Jack and Allie collected a total of 1,000 coins. Jack collected 417 coins. How many did Allie collect?

- A. 1,417
- B. 583
- C. 483
- D. 417

Please write your response to question 20 on page 5 of your answer book.

20. Students in the class kept track of how many books they read during three months.

- In October they read 96 books.
- In November they read twice as many as they read in October.
- In December they read 10 fewer books than they read during November.

**Part A** How many books did the students read in November? Explain how you solved this problem.

**Part B** How many books did they read in December? Explain how you solved this problem.

**Part C** How many books did they read in all in October, November and December? Explain how you solved this problem

*Computation and Operations*

**21.** Tonya divided  $81 \div 9$  and found the answer to be 9. Which expression could Tonya use to check her work?

- A.  $9 + 81$
- B.  $81 - 9$
- C.  $9 \times 9$
- D.  $9 \div 9$

**22.** 75 students join literature circles. There are 5 students in each literature circle. How many literature circles are there?

- A. 20
- B. 25
- C. 15
- D. 57

**23.** Julia multiplied  $96 \times 24$  and found the product to be 2,304. Which expression could Julia use to check her work?

- A.  $2304 + 96$
- B.  $2304 - 96$
- C.  $96 \div 2304$
- D.  $2304 \div 96$

**24.** Miss Elliott bought donuts for her students. She bought 16 dozen donuts. There are 12 donuts in one dozen. How many donuts did she buy in all?

- A. 162
- B. 172
- C. 182
- D. 192

*Computation and Operations*

**25.** Elmwood Elementary school has 96 students in fourth grade. There are six fourth-grade classes. How many students are in each fourth-grade class?

- A. 16
- B. 26
- C. 21
- D. 6

Please write your response to question 26 on page 6 of your answer book.

**26.** Kevin has two dogs, Lucky and Rocky. Lucky is about 28 inches tall. Rocky is half as tall as Lucky. How tall is Rocky?

**Part A** Write a number sentence for this problem. Be sure to include an answer.

**Part B** Write a number expression you can use to check if the answer is correct.

1.  A  B  C  D

2.  A  B  C  D

3.  A  B  C  D

4.  A  B  C  D



- |    |   |   |   |   |    |   |   |   |   |
|----|---|---|---|---|----|---|---|---|---|
| 5. | A | B | C | D | 7. | A | B | C | D |
| 6. | A | B | C | D | 8. | A | B | C | D |



- |   |   |
|---|---|
| 9. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D  | 11. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 10. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 12. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |



13.  A  B  C  D

15.  A  B  C  D

14.  A  B  C  D

16.  A  B  C  D





