The Grade 5 Functional Independence Mathematics Assessment was administered for the first time in Fall 2005. Beginning with this administration, the Office of Educational Assessment and Accountability (OEAA) will annually release a portion of the items that are administered on the assessment. This booklet contains released items from the Fall 2006 administration and is intended to be used by districts to assist in their interpretation of item analysis data. The information contained in this booklet may also be used by schools, teachers, and parents as a resource for understanding the content and format of the assessment items. In addition to MI-Access training materials and Extended Grade Level Content Expectations (EGLCE), the released items may also have utility in informing decisions related to instruction, curriculum, and assessment. These items are not secure and may be copied and distributed as needed.

The table below lists the number of core and released items administered on the Fall 2006 Grade 5 assessment booklet. Core items are those that count toward students’ scores. All released items in this booklet were selected from the pool of core items that appeared on the assessment.

<table>
<thead>
<tr>
<th>Mathematics Strand</th>
<th>Number of Core Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numbers and Operations</td>
<td>16</td>
</tr>
<tr>
<td>Measurement</td>
<td>10</td>
</tr>
<tr>
<td>Geometry</td>
<td>2</td>
</tr>
<tr>
<td>Data Analysis</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Core Items/Points</strong></td>
<td><strong>30</strong></td>
</tr>
<tr>
<td><strong>Released Items</strong></td>
<td><strong>10</strong></td>
</tr>
</tbody>
</table>

(Numbers vary by strand and topic.)
**DIRECTIONS**: Read each question. Choose the **BEST** answer for each question.

Use the picture below to answer question **R1**.

![Ticket Image]

**R1**  What is the length of the ticket to the **nearest** inch?

- **A**  2 inches
- **B**  3 inches
- **C**  4 inches

20007012
Use the coins below to answer question **R2**.

![Two coins](image)

**R2** Which of these can be bought with the coins shown?

- **A** a drink for 35¢
- **B** a notebook for $1
- **C** a pencil for 50¢

20007022
R3  It is 2:00 now.

What time will it be in 1 hour?

A  12:00
B  1:00
C  3:00

20007016
Use the chart below to answer question R4.

<table>
<thead>
<tr>
<th>Number of Bicycles</th>
<th>Total Number of Wheels</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>4</td>
<td>?</td>
</tr>
<tr>
<td>5</td>
<td>?</td>
</tr>
</tbody>
</table>

**R4** What is the total number of wheels on 5 bicycles?

- **A** 10
- **B** 8
- **C** 7

90008019
R5  Lisa has 20 colored pencils.

What is the word for 20?

A  two
B  twenty
C  two hundred

20007041

R6  Beth is fourteen years old.

What is the number for fourteen?

A  10
B  12
C  14

20007042
**R7** Which number is in the hundreds place in 573?

- **A** 3
- **B** 5
- **C** 7

20007040

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**R8** Brian had 10 pencils.

He bought a new pack of 12 pencils.

**About** how many pencils does he have now?

- **A** 10
- **B** 20
- **C** 30

90010009
**R9**  Jim had 9 books.

He took 5 books back to the library.

How many books does he have **left**?

A  1  

B  4  

C  5  

**R10**  Stu had 10 pencils.

He bought 9 more pencils.

**About** how many pencils does he have now?

A  10  

B  15  

C  20  

90008025 20007001
STOP

Do not continue until instructed to do so.
Below is a list of the Extended Grade Level Content Expectations (EGLCE) for each released item found in this booklet. The chart contains the EGLCE code, a brief description of what is measured, and the correct answer for each released item.

Because the assessment was administered during the fall of the school year, only content from the previous grade level was measured on the assessment. For example, items eligible for the Grade 5 assessment will measure the Grade 4 EGLCE.

Full descriptions of the EGLCE contained in the chart below are available for review and download at [www.mi.gov/mi-access](http://www.mi.gov/mi-access).

<table>
<thead>
<tr>
<th>Released Item number</th>
<th>EGLCE Code</th>
<th>STRAND or Abbreviated Extended GLCE Descriptor</th>
<th>Answer Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>R4</td>
<td>D.RE.04.EG03</td>
<td>Solve problems using tables, graphs, tallies and pictographs</td>
<td>A</td>
</tr>
<tr>
<td>R1</td>
<td>M.UN.04.EG03</td>
<td>Measure lengths to the nearest inch</td>
<td>B</td>
</tr>
<tr>
<td>R2</td>
<td>M.UN.04.EG07</td>
<td>Identify different denominations of coins and bills</td>
<td>A</td>
</tr>
<tr>
<td>R3</td>
<td>M.PS.04.EG06</td>
<td>Solve one-step word problems</td>
<td>C</td>
</tr>
<tr>
<td>R5</td>
<td>N.ME.04.EG01</td>
<td>Read, write and count using whole numbers to 1000 in numerals and words, and relate them to the quantities they represent</td>
<td>B</td>
</tr>
<tr>
<td>R6</td>
<td>N.ME.04.EG01</td>
<td>Read, write and count using whole numbers to 1000 in numerals and words, and relate them to the quantities they represent</td>
<td>C</td>
</tr>
<tr>
<td>R7</td>
<td>N.ME.04.EG04</td>
<td>Express numbers up to 1000 using place value, e.g., 137 is 1 hundred, 3 tens, and 7 ones.</td>
<td>B</td>
</tr>
<tr>
<td>R8</td>
<td>N.FL.04.EG15</td>
<td>Apply estimation in solving problems</td>
<td>B</td>
</tr>
<tr>
<td>R9</td>
<td>N.FL.04.EG11</td>
<td>Add and subtract two numbers with 1 or 2 digits each</td>
<td>B</td>
</tr>
<tr>
<td>R10</td>
<td>N.FL.04.EG15</td>
<td>Apply estimation in solving problems</td>
<td>C</td>
</tr>
</tbody>
</table>