The Functional Independence Mathematics Assessments for grades 3 through 8 were administered for the first time in fall 2005. Beginning with this administration, the Office of Educational Assessment and Accountability (OEAA) will release a portion of the items that were administered in each grade each year. This booklet contains released items from the fall 2005 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 from the fall 2005 assessment booklets. 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.

### Functional Independence - Mathematics

<table>
<thead>
<tr>
<th>Mathematics Strand</th>
<th>Number of Core Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numbers and Operations</td>
<td>10</td>
</tr>
<tr>
<td>Measurement</td>
<td>8</td>
</tr>
<tr>
<td>Geometry</td>
<td>9</td>
</tr>
<tr>
<td>Data and Probability</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Core Items/Points</strong></td>
<td><strong>30</strong></td>
</tr>
<tr>
<td>Released Items</td>
<td>10</td>
</tr>
</tbody>
</table>

(Numbers vary by strand and topic.)

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**DIRECTIONS:** Read each question. Choose the **BEST** answer for each question.

**R1**  What number is missing in the pattern?

10, 15, ___, 25

A  16
B  19
C  20
Use the figure below to answer question **R2**.

**R2** The sock is _____ the shirt.

A above  
B below  
C next to
Use the picture below to answer question R3.

R3  How many books are shown?

A  9
B  18
C  24
R4  Del went to the park.

He marked his paper one time for every plant he saw.

How many plants did Del see?

A  3
B  7
C  9

Use the figure below to answer question R5.

R5  What figure is shown?

A  circle
B  square
C  triangle
**R6**  Paul is 4 feet tall.

Scott is 3 feet tall.

Which sentence is true?

A. Paul is taller than Scott.
B. Paul is shorter than Scott.
C. Paul and Scott are the same height.

---

Use the coin below to answer question **R7**.

![Coin Image](image)

**R7**  What is the value of this coin?

A. 5¢
B. 10¢
C. 25¢
Use the shapes below to answer question R8.

R8  What shape comes next in the pattern?

A  

B  

C  

---

MI-Access Fall 2005 Official Released Items 8  GO ON TO THE NEXT PAGE.
R9  Compare these numbers:

\[
\begin{array}{c}
4 \\
\hline
4 \\
\end{array}
\]

A  4 is less than 4
B  4 is equal to 4
C  4 is greater than 4
Use the figure below to answer question R10.

Key

\[
\begin{align*}
\square & = 10 \\
\square & = 1
\end{align*}
\]

R10 Which of these is equal to 15?

A

\[
\begin{align*}
\square & \\
\square & \\
\square & \\
\square &
\end{align*}
\]

B

\[
\begin{align*}
\square & \\
\square & \\
\square & \\
\square & \\
\square & \\
\square &
\end{align*}
\]

C

\[
\begin{align*}
\square & \\
\square & \\
\square & \\
\square & \\
\square & \\
\square &
\end{align*}
\]
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 3 assessment will measure Grade 2 EGLCE.

Full descriptions of the EGLCE contained in the chart below are available for review and download at 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.02.EG01</td>
<td>Collect and explore data through counting</td>
<td>C</td>
</tr>
<tr>
<td>R5</td>
<td>G.GS.02.EG01</td>
<td>Identify common two-dimensional shapes</td>
<td>C</td>
</tr>
<tr>
<td>R2</td>
<td>G.LO.02.EG02</td>
<td>Describe position of objects on a plane and in space</td>
<td>B</td>
</tr>
<tr>
<td>R8</td>
<td>G.SR.02.EG04</td>
<td>Predict the next element in a geometric pattern.</td>
<td>C</td>
</tr>
<tr>
<td>R6</td>
<td>M.PS.02.EG01</td>
<td>Compare length</td>
<td>A</td>
</tr>
<tr>
<td>R7</td>
<td>M.UN.02.EG03</td>
<td>Identify different denominations of coins.</td>
<td>C</td>
</tr>
<tr>
<td>R3</td>
<td>N.ME.02.EG01</td>
<td>Count whole numbers to 30</td>
<td>C</td>
</tr>
<tr>
<td>R10</td>
<td>N.ME.02.EG02</td>
<td>Recognize representations for whole numbers to 30</td>
<td>B</td>
</tr>
<tr>
<td>R9</td>
<td>N.ME.02.EG03</td>
<td>Compare and order numbers to 30</td>
<td>B</td>
</tr>
<tr>
<td>R1</td>
<td>N.MR.02.EG05</td>
<td>Create, describe, and extend simple number patterns</td>
<td>C</td>
</tr>
</tbody>
</table>