Functional Independence
Mathematics

Official Released Items

Grade 7

Fall 2006
Official Released Items
The Grade 7 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 7 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.

**Functional Independence Mathematics Grade 7**

<table>
<thead>
<tr>
<th>Mathematics Strand</th>
<th>Number of Core Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numbers and Operations</td>
<td>17</td>
</tr>
<tr>
<td>Measurement</td>
<td>12</td>
</tr>
<tr>
<td>Geometry</td>
<td>3</td>
</tr>
<tr>
<td>Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Core Items/Points</strong></td>
<td><strong>35</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 goes in the blank in this pattern?

\[
20, \quad 25, \quad ____ , \quad 35
\]

A  30  
B  40  
C  45  

90016007

**R2**  What number comes next in the pattern?

\[
14, \quad 16, \quad 18, \quad 20, \quad ____
\]

A  12  
B  22  
C  24  

90016010
R3  Which of these shows 12 beach balls?

A  

B  

C  

10551011
Use the picture below to answer question **R4**.

**R4** How many *more* gallons does Bucket X have than Bucket Y?

A 3  
B 4  
C 5

90017020
R5  Ron drew 3 stars and 2 squares.

Which of these shows this?

A  

B  

C  

10551002
Use the picture below to answer question **R6**.

![Pizza](image)

**R6**  John wants to eat as many pieces of pizza as possible, but not more than half the pizza.

How many pieces can he eat?

- **A**  3
- **B**  4
- **C**  5

90019024
Use the bar graph below to answer question **R7**.

![Apples Sold Over Four Days](graph)

**R7**  How many more apples were sold on day 4 than on day 1?

A  15  

B  20  

C  25  

90018005
R8  Todd has 5 pens, Jerry has 6 pens, and Brian has 3 pens.

How many pens do they have altogether?

A  14
B  11
C  9

R9  One gallon of water weighs about 8 pounds.

About how much will 2 gallons of water weigh?

A  16 pounds
B  10 pounds
C  2 pounds
Use the picture below to answer question **R10**.

![Diagram of two tables with 40 inches of distance between them.]

**R10**  Tom wants to put a bed between the tables in the picture.

The bed is 50 inches wide.

How much farther apart does Tom need to move the tables?

A  7 inches

B  10 inches

C  14 inches

90017021
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 7 assessment will measure the Grade 6 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>R7</td>
<td>D.RE.06.EG04</td>
<td>Solve problems using data</td>
<td></td>
</tr>
<tr>
<td>R4</td>
<td>M.PS.06.EG09</td>
<td>Solve one-step word problems</td>
<td>B</td>
</tr>
<tr>
<td>R1</td>
<td>N.MR.06.EG05</td>
<td>Create, describe, and extend simple number patterns</td>
<td>A</td>
</tr>
<tr>
<td>R2</td>
<td>N.MR.06.EG05</td>
<td>Create, describe, and extend simple number patterns</td>
<td>B</td>
</tr>
<tr>
<td>R3</td>
<td>N.ME.06.EG02</td>
<td>Recognize representations for whole numbers to 10,000</td>
<td>C</td>
</tr>
<tr>
<td>R5</td>
<td>N.ME.06.EG02</td>
<td>Recognize representations for whole numbers to 10,000</td>
<td>A</td>
</tr>
<tr>
<td>R6</td>
<td>N.ME.06.EG02</td>
<td>Recognize representations for whole numbers to 10,000</td>
<td>B</td>
</tr>
<tr>
<td>R8</td>
<td>N.Fl.06.EG07</td>
<td>Add and subtract one- and two-digit numbers</td>
<td>A</td>
</tr>
<tr>
<td>R9</td>
<td>N.MR.06.EG13</td>
<td>Represent multiplication/division</td>
<td>A</td>
</tr>
<tr>
<td>R10</td>
<td>N.MR.06.EG16</td>
<td>Solve applied problems</td>
<td>B</td>
</tr>
</tbody>
</table>