Functional Independence
Mathematics

Official Released Items

Grade 3

Fall 2008
Official Released Items
Michigan State Board of Education

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The Grade 3 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 2008 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 2008 Grade 3 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 3

<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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R1   Which number comes first in the pattern?

_____,   10,   15,   20

A   5
B   1
C   0
Use the picture below to answer question **R2**.

**R2** The girl is standing _______ the box.

A  on
B  behind
C  next to
Use the picture below to answer question **R3**.

**R3**  In which direction is the arrow pointing?

- A  left
- B  right
- C  up
Use the key below to answer question **R4**.

<table>
<thead>
<tr>
<th>Key</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th>shows 10</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td></td>
<td>□</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>shows 1</td>
</tr>
</tbody>
</table>

**R4** Which set of blocks on the following page shows 28?
Pat drew a fish for every fish in her fish tank.

How many fish are in her fish tank?

A  5
B  8
C  12
Use the coin below to answer question R6.

![Image of a coin]

**R6** What is the name of this coin?

- A  dime
- B  nickel
- C  penny
Use the pattern below to answer question R7.

```
□ □ □ □ ○ ○ ○ ○
```

**R7** What is the pattern shown above?

- **A** □ ○
- **B** □ □
- **C** ○ ○
Mary’s necklace is 12 inches long.

Wendy’s necklace is 8 inches long.

Reba’s necklace is 15 inches long.

Who has the **longest** necklace?

A Mary

B Wendy

C Reba
Use the picture below to answer question **R9**.

**Building 1**  
**Building 2**

**R9** Which sentence is true?

A  Building 1 is **shorter** than building 2.

B  Building 1 is **taller** than building 2.

C  Building 1 is the **same** height as building 2.
Use the key below to answer question **R10**.

<table>
<thead>
<tr>
<th>Key</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>shows 10</td>
</tr>
<tr>
<td></td>
<td>shows 1</td>
</tr>
</tbody>
</table>

**R10** Which set of blocks shows 15?

A

B

C
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 the 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>R5</td>
<td>D.RE.02.FI.EG01</td>
<td>Collect and explore data through counting</td>
<td>A</td>
</tr>
<tr>
<td>R2</td>
<td>G.LO.02.FI.EG02</td>
<td>Describe position of objects on a plane and in space</td>
<td>A</td>
</tr>
<tr>
<td>R3</td>
<td>G.LO.02.FI.EG02</td>
<td>Describe position of objects on a plane and in space</td>
<td>B</td>
</tr>
<tr>
<td>R7</td>
<td>G.SR.02.FI.EG03</td>
<td>Create and describe repeating geometric patterns</td>
<td>A</td>
</tr>
<tr>
<td>R6</td>
<td>M.UN.02.FI.EG03</td>
<td>Identify different denominations of coins</td>
<td>C</td>
</tr>
<tr>
<td>R8</td>
<td>M.PS.02.FI.EG01</td>
<td>Compare length</td>
<td>C</td>
</tr>
<tr>
<td>R9</td>
<td>M.PS.02.FI.EG01</td>
<td>Compare length</td>
<td>B</td>
</tr>
<tr>
<td>R1</td>
<td>N.MR.02.FI.EG05</td>
<td>Create, describe, and extend simple number patterns</td>
<td>A</td>
</tr>
<tr>
<td>R4</td>
<td>N.ME.02.FI.EG02</td>
<td>Recognize representations for whole numbers to 30</td>
<td>B</td>
</tr>
<tr>
<td>R10</td>
<td>N.ME.02.FI.EG02</td>
<td>Recognize representations for whole numbers to 30</td>
<td>B</td>
</tr>
</tbody>
</table>