Functional Independence
Mathematics

Official Released Items

Grade 7

Fall 2008
Official Released Items
MICHIGAN STATE BOARD OF EDUCATION

STATEMENT OF ASSURANCE OF COMPLIANCE WITH FEDERAL LAW

The Michigan State Board of Education complies with all Federal laws and regulations prohibiting discrimination and with all requirements and regulations of the U.S. Department of Education. It is the policy of the Michigan State Board of Education that no person on the basis of race, color, religion, national origin or ancestry, age, sex, marital status, or handicap shall be discriminated against, excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination in any program or activity for which it is responsible or for which it receives financial assistance from the U.S. Department of Education.

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 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 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.

<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 and Probability</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.)

Copyright© 2008, held by the State Administrative Board, State of Michigan. All rights reserved. Printed in U.S.A. Permission is granted to schools, parents, government agencies and non-profit organizations in Michigan to reproduce and distribute this document for non-commercial use in helping Michigan educators and other citizens in interpreting and using the MI-Access assessment results.

For all instances other than identified in the previous paragraph, no part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior permission from the Office of Educational Assessment and Accountability.

MI-Access Fall 2008 Official Released Items  2
**DIRECTIONS**: Read each question. Choose the **BEST** answer for each question.

**R1**  Look at the pattern.

\[5, \ 8, \ 11, \ 14, \ \text{_____}\]

How is the next number in the pattern found?

A  add 9

B  add 5

C  add 3
Use the picture below to answer question R2.

R2  Which should be measured using the tool above?

A  height of a window

B  amount of milk in a recipe

C  temperature outside
Use the ruler to answer question R3.

**R3**  A piece of wood is two inches thick.

Which nail will go all the way through the piece of wood?

- **A**
- **B**
- **C**
Use the clock below to answer question **R4**.

![Clock Image]

**R4**    What time does this clock show?

- **A**  12:00
- **B**  4:00
- **C**  6:00
R5  Which number has a 6 in the hundreds place?

A  5,670

B  6,570

C  7,560
Use the graph below to answer question R6.

<table>
<thead>
<tr>
<th>Points Scored</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Team X</strong></td>
</tr>
<tr>
<td><strong>Team Y</strong></td>
</tr>
</tbody>
</table>

**R6** How many more points does Team Y have than Team X?

- A 4
- B 5
- C 10
Use the picture below to answer question **R7**.

![Diagram of a rod with gray and white sections]

**R7**  In the rod above, each gray section is 6 feet long and each white section is 5 feet long.

How long is the rod in **all**?

- **A**  11 feet
- **B**  22 feet
- **C**  24 feet
R8  Which number belongs in the box?

\[27 - 12 = \square\]

A  15

B  25

C  39
R9  There are 20 students in Jerry’s class.

   Six of them are girls.

   How many students are boys?

   A  6

   B  14

   C  26
Use the coins below to answer question **R10**.

![Image of coins]

**R10** How much money is shown in the picture?

- **A** 39¢
- **B** 54¢
- **C** 99¢
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 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>R6</td>
<td>D.RE.06.FI.EG04</td>
<td>Solve problems using data</td>
<td>B</td>
</tr>
<tr>
<td>R2</td>
<td>M.UN.06.FI.EG01</td>
<td>Use standard tools for measurement</td>
<td>B</td>
</tr>
<tr>
<td>R3</td>
<td>M.UN.06.FI.EG04</td>
<td>Measure lengths to the nearest half-inch</td>
<td>C</td>
</tr>
<tr>
<td>R4</td>
<td>M.UN.06.FI.EG07</td>
<td>Tell time on a clock to the nearest hour</td>
<td>C</td>
</tr>
<tr>
<td>R10</td>
<td>M.PS.06.FI.EG11</td>
<td>Tell the amount of money in dollars and cents</td>
<td>A</td>
</tr>
<tr>
<td>R1</td>
<td>N.MR.06.FI.EG06</td>
<td>Find the next number in a simple repeating pattern</td>
<td>C</td>
</tr>
<tr>
<td>R5</td>
<td>N.ME.06.FI.EG03</td>
<td>Express numbers to 10,000 using place value</td>
<td>A</td>
</tr>
<tr>
<td>R7</td>
<td>N.FL.06.FI.EG07</td>
<td>Add and subtract one- and two-digit numbers</td>
<td>B</td>
</tr>
<tr>
<td>R8</td>
<td>N.MR.06.FI.EG08</td>
<td>Solve simple number sentences for +/-</td>
<td>A</td>
</tr>
<tr>
<td>R9</td>
<td>N.MR.06.FI.EG16</td>
<td>Solve applied problems</td>
<td>B</td>
</tr>
</tbody>
</table>