Functional Independence
Fall 2010

Mathematics

Item Descriptors

Grade 4

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DIRECTIONS: Read each question. Choose the BEST answer for each question.
NOTE: For each item listed throughout this booklet, the first statement is a summary of the Michigan Extended Grade Level Content Expectation (EGLCE) and the second statement or problem is the descriptor for the item’s stem or question.

1  G.SR.03.FI.EG04: Predict the next element in a simple geometric pattern
   Determine the next shape in a geometric pattern
   A  correct
   B  incorrect shape
   C  incorrect shape

2  G.SR.03.FI.EG04: Predict the next element in a simple geometric pattern
   Determine the next shape in a geometric pattern
   A  incorrect shape
   B  incorrect shape
   C  correct

3  N.ME.03.FI.EG01: Read, write and count whole numbers to 100
   Translate word form of number into standard form
   A  transposed tens and ones
   B  correct
   C  tens = hundreds

4  N.MR.03.FI.EG09: Create, describe, and extend number patterns
   Find next number in skip-counting pattern
   A  subtracted 10, instead of adding 10
   B  added 1, instead of adding 10
   C  correct

5  G.GS.03.FI.EG01: Identify common two-dimensional shapes
   Given diagram, determine number of corners of 2-D shape
   A  correct
   B  one more corner than total
   C  two more corners than total

6  G.LO.03.FI.EG02: Use relative position of objects on a plane and in space
   Describe relative position of two objects
   A  incorrect position
   B  incorrect position
   C  correct
7 N.ME.03.FI.EG04: Compose and decompose numbers to 30

Given key, identify diagram that shows the given number

A correct
B transposed tens and ones
C tens = ones

8 N.ME.03.FI.EG02: Recognize representations for whole numbers to 100

Identify the diagram with same number of shapes as given diagram

A correct
B one more shape
C two fewer shapes

9 N.ME.03.FI.EG04: Compose and decompose numbers to 30

Given key, identify diagram that shows the given number

A correct
B transposed tens and ones
C tens = ones

10 D.RE.03.FI.EG02: Read pictographs

Read pictograph with scale of 1

A used scale of two, or incorrect category
B incorrect category
C correct

11 D.RE.03.FI.EG02: Read pictographs

Read pictograph with scale of 1

A correct
B one more than total
C one less than total

12 N.ME.03.FI.EG03: Represent whole numbers to 100

Given key & diagram, identify number

A omitted ones
B one less than total
C correct
13 N.ME.03.FI.EG06: Count to 100 by ones, 2s, 5s and 10s

Find next number in skip-counting pattern

A added 15, instead of 5
B added 10, instead of 5
C correct

14 N.ME.03.FI.EG05: Compare and order numbers to 100

Determine number less than given number

A correct
B greater than given number
C greater, but ones place is less

15 N.MR.03.FI.EG09: Create, describe, and extend number patterns

Find next number in skip-counting pattern

A added 1 to previous number
B correct
C added 10, instead of 5

16 N.ME.03.FI.EG02: Recognize representations for whole numbers to 100

Given key, identify diagram that shows the given number

A transposed tens and ones
B correct
C omitted ones

17 M.PS.03.FI.EG02: Compare length and weight of objects

Compare length of two objects

A incorrect comparison
B correct
C incorrect comparison

18 M.UN.03.FI.EG05: Tell time on a clock to the hour

Tell time on the hour on analog clock

A difference in hours between hour and minute hands
B correct
C minute hand shows hours
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<td><strong>19 M.UN.03.FI.EG03:</strong></td>
<td>Use the common words for the parts of the day</td>
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<td><strong>20 M.PS.03.FI.EG02:</strong></td>
<td>Compare length and weight of objects</td>
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<tr>
<td><strong>21 M.PS.03.FI.EG06:</strong></td>
<td>Solve measurement word problems</td>
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<td><strong>22 M.UN.03.FI.EG07:</strong></td>
<td>Identify different denominations of coins and bills</td>
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<td><strong>23 M.PS.03.FI.EG09:</strong></td>
<td>Add and subtract money in dollars only</td>
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- **A** | day before given day |
- **B** | neither day before nor day after given day |
- **C** | correct |

- **A** | shortest, not tallest |
- **B** | correct |
- **C** | neither shortest nor tallest |

- **A** | dimes = pennies |
- **B** | dimes = nickels |
- **C** | correct |

- **A** | correct |
- **B** | incorrect subtraction or subtrahend |
- **C** | incorrect subtraction |
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<td>25 N.MR.03.FI.EG10:</td>
<td>Compare two or more sets</td>
<td>C correct</td>
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<td>26 N.MR.03.FI.EG11:</td>
<td>Understand the relationship of + and -</td>
<td>B correct</td>
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<td>27 N.FL.03.FI.EG16:</td>
<td>Calculate sums and differences</td>
<td>B correct</td>
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<td>28 N.FL.03.FI.EG14:</td>
<td>Add up to three one-digit numbers</td>
<td>A correct</td>
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<tr>
<td>29 N.MR.03.FI.EG11:</td>
<td>Understand the relationship of + and -</td>
<td>C correct</td>
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<tr>
<td>30 N.FL.03.FI.EG12:</td>
<td>Know all the addition facts up to 10 + 10</td>
<td>C one more than sum</td>
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