Functional Independence
Fall 2012
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 incorrect shape
B incorrect shape
C correct

2 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

3 N.ME.03.FI.EG01: Read, write, and count whole numbers to 100

Translate word form into standard form

A transposed tens and ones
B correct
C tens = hundreds

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

Find next number in skip-counting pattern

A subtracted 10, instead of adding 10
B added 1, instead of 10
C correct
<table>
<thead>
<tr>
<th>Item Descriptor</th>
<th>Task Description</th>
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<tbody>
<tr>
<td><strong>G.GS.03.FI.EG01:</strong></td>
<td>Identify common two-dimensional shapes Identify diagram with given number of sides</td>
</tr>
<tr>
<td><strong>G.LO.03.FI.EG02:</strong></td>
<td>Describe and use relative position of objects on a plane and in space Describe relative position of two objects</td>
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<tr>
<td><strong>N.ME.03.FI.EG01:</strong></td>
<td>Read, write, and count whole numbers to 100 Translate word form into standard form</td>
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<tr>
<td><strong>N.ME.03.FI.EG02:</strong></td>
<td>Recognize equivalent representations for whole numbers to 100 Identify the diagram with same number of shapes as given diagram</td>
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<tr>
<td><strong>D.RE.03.FI.EG02:</strong></td>
<td>Read pictographs with a scale of one Read pictograph with scale of 1</td>
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A. correct
B. transposed tens and ones
C. tens = ones

A. correct
B. one more shape
C. two fewer shapes

A. used scale of two or incorrect category
B. incorrect category
C. correct
11 D.RE.03.FI.EG03: Solve problems using information in pictographs

Read pictograph with scale of 1

A correct
B incorrect category
C incorrect category

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

Match number of shapes to numeral

A two more shapes than corresponding numeral
B three fewer shapes than corresponding numeral
C correct

13 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

14 N.ME.03.FI.EG06: Count to 100 by 1s, 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

15 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

16 N.ME.03.FI.EG08: Identify and place whole numbers on a number line that begins at zero

Identify location of star on number line

A location of first unlabeled point
B location of point to left of star
C correct
17 M.PS.03.FI.EG02: Compare the length and weight of objects

Compare heights of two objects

A incorrect comparison
B correct
C incorrect comparison

18 M.UN.03.FI.EG03: Use common words for the parts of the day

Identify day after given day

A day before given day
B neither day before nor day after given day
C correct

19 M.UN.03.FI.EG05: Tell time on a radial or digital clock to the hour

Tell time on analog clock

A difference in hours between hour and minute hands
B correct
C minute hand shows hours

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

Compare length of two objects

A incorrect comparison
B correct
C incorrect comparison

21 M.PS.03.FI.EG06: Solve one-step word problems

Add lengths in miles

A correct
B incorrect addition
C subtracted

22 M.UN.03.FI.EG08: Match denominations of coins or bills

Given picture of coin, identify set of coins with same value

A 10 cents = 1 cent
B 25 cents = 1 cent
C correct
23 **M.PS.03.FI.EG09:** Add and subtract money in dollars only or in cents only

Subtract money in dollars

A correct
B incorrect subtraction or subtrahend
C incorrect subtraction

24 **M.UN.03.FI.EG07:** Identify different denominations of coins and bills

Given photo of coin, determine value

A correct
B incorrect value
C incorrect value

25 **N.MR.03.FI.EG10:** Compare two or more sets

Compare number of elements in two sets

A incorrect comparison
B incorrect comparison
C correct

26 **N.FL.03.FI.EG14:** Add up to three one-digit numbers

Add three one-digit numbers

A correct
B two less than sum
C sum of first and second addend

27 **N.FL.03.FI.EG12:** Know all addition facts up to 10 + 10 and solve related subtraction problems

Subtract one-digit number from two-digit number

A correct
B one more than difference
C subtracted smaller values from larger values
28 N.MR.03.FI.EG11: Understand the relationship between addition and subtraction

Identify related subtraction sentence given addition sentence

A unrelated subtraction sentence
B correct
C unrelated subtraction sentence

29 N.MR.03.FI.EG17: Model addition and subtraction for numbers less than 20

Identify number sentence to model addition

A subtraction sentence
B incorrect addition sentence
C correct

30 N.FL.03.FI.EG16: Calculate sums and differences

Add two-digit number to one-digit number

A smaller values subtracted from greater values in ones place
B correct
C over by 10