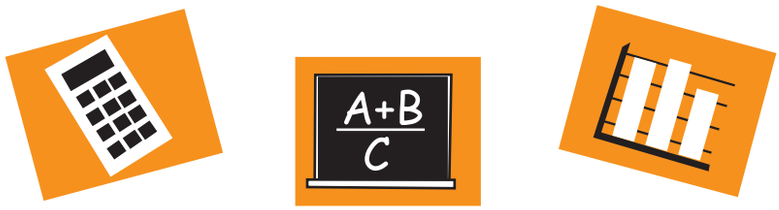
MI Access™
Michigan's Alternate Assessment Program

Functional Independence

Fall 2013



Mathematics

Item Descriptors

Grade 5

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DIRECTIONS: Read each question. Choose the **BEST** answer for each question.

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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 N.ME.04.FI.EG07: Use ordinals to identify position in a sequence

Name shape in given position

A shape one position to the left

B correct

C shape one position to the right

2 N.MR.04.FI.EG09: Create, describe, and extend simple number patterns

Determine next number in skip-counting pattern

A under by 8

B under by 3

C correct

3 N.ME.04.FI.EG06: Count to 1,000 by 1s and to 100 by 2s, 5s, and 10s

Find missing number in addition skip-counting pattern

A skip counted by one

B correct

C skip counted by three

4 N.ME.04.FI.EG05: Compare and order numbers to 1,000

Compare two 2-digit numbers

A correct

B incorrect comparison

C incorrect comparison

Item Descriptors

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5 N.ME.04.FI.EG08: Identify and place whole numbers on a number line that begins at zero

Identify shape at given location on number line

A incorrect shape

B correct

C incorrect shape

6 M.PS.04.FI.EG06: Solve one-step word problems

Add two weights

A subtracted

B correct

C twice the second addend

7 N.ME.04.FI.EG05: Compare and order numbers to 1,000

Identify greatest number in context

A intermediate value

B least value

C correct

8 G.LO.04.FI.EG02: Describe and use relative position of objects on a plane and in space

Determine relative position of two objects

A correct

B incorrect position

C incorrect position

9 M.UN.04.FI.EG03: Measure lengths to the nearest inch

Measure length to nearest inch

A 1 inch shorter

B correct

C 2 inches longer

10 M.UN.04.FI.EG07: Identify different denominations of coins and bills

Identify photo of bill that is worth enough for given purchase

A bill with least value

B bill with insufficient value

C correct

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11 M.PS.04.FI.EG09: Tell the amount of money

Match dollar and cents notation to bills and coins

A correct

B correct bill, incorrect coins

C no bill, incorrect coins

12 M.PS.04.FI.EG10: Add and subtract money in dollars only or in cents only

Add money in cents

A subtracted

B incorrect addition in tens place

C correct

13 M.PS.04.FI.EG09: Tell the amount of money

Match bills to $ notation

A 10-dollar bill = $1

B correct

C 10-dollar bill = $11

14 G.GS.04.FI.EG01: Identify, describe, and compare two-dimensional shapes

Identify set of 2-D shapes

A incorrect set

B incorrect set

C correct

15 D.RE.04.FI.EG03: Solve problems using data in tables, graphs, tallies, and pictographs

Read pictograph with scale of 1

A sum of first two categories, not all three

B sum of last two categories, not all three

C correct

16 D.RE.04.FI.EG02: Read tables, graphs, tallies, and pictographs

Interpret bar graph

A number of categories

B correct

C included other category in total

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17 M.UN.04.FI.EG05: Tell time on a radial or digital clock to the hour

Tell time on radial clock

A one hour earlier

B correct

C location of minute hand

18 M.UN.04.FI.EG02: Select appropriate units of measure

Identify unit for length

A unit of volume (capacity)

B correct

C unit of volume (capacity)

19 N.FL.04.FI.EG15: Apply estimation in solving problems

Estimate difference

A correct

B overestimate

C overestimate

20 N.MR.04.FI.EG14: Solve simple open sentences for addition and subtraction

Add 2-digit number to 1-digit number

A 1 = 10

B correct

C incorrect sum

21 M.PS.04.FI.EG04: Measure and compare lengths and weights

Compare lengths of two objects

A incorrect comparison

B incorrect comparison

C correct

22 N.ME.04.FI.EG01: Read, write, and count whole numbers to 1,000

Translate word form of number into standard form

A tens = hundreds

B correct

C transposed ones place and tens place

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23 **N.ME.04.FI.EG04:** Express numbers to 1,000 using place value

Translate standard form to expanded form

A abc = a + b + c

B abc = a00 + b + c

C correct

24 **N.ME.04.FI.EG01:** Read, write, and count whole numbers to 1,000

Translate standard form to word form

A 10 under

B correct

C 1 = 10

25 **N.ME.04.FI.EG03:** Represent whole numbers to 1,000

Given key, identify diagram that shows number

A correct

B hundreds and tens = ones

C ones = hundreds hundreds = ones

26 **N.FL.04.FI.EG11:** Add and subtract two numbers with 1 or 2 digits each

Subtract two 1-digit numbers

A incorrect subtraction

B correct

C added

27 **N.MR.04.FI.EG13:** Model addition and subtraction for numbers less than 100

Translate addition sentence into words

A correct

B subtraction

C subtraction

28 **N.ME.04.FI.EG02:** Recognize equivalent representations for whole numbers to 1,000

Given key, identify diagram that shows number

A one hundred block too few

B tens = ones ones = tens

C correct

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29 M.PS.04.FI.EG10: Add and subtract money in dollars only or in cents only

Add with money in context

A correct

B addends

C number of addends

30 N.MR.04.FI.EG16: Select appropriate numbers to solve problems

Determine number of books read by two students given number of books read by three students

A correct

B over by 1 or included incorrect student

C over by 2 or included incorrect student

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