Functional Independence
Fall 2013
Mathematics

Item Descriptors

Grade 5

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Item Descriptors
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 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
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
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
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
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
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