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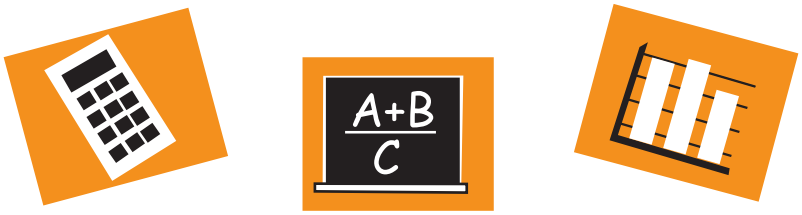
Michigan's Alternate Assessment Program

# Functional Independence

Fall 2011




# 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.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

**9** **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

**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.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

**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.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.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

**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 heights of three children

**A** shortest, not tallest

**B** correct

**C** neither shortest nor tallest

**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

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

Identify name of day after given day

**A** day before given day

**B** neither day before nor day after given day

**C** correct

**20** **M.PS.03.FI.EG02:** Compare 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.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

**23** **M.PS.03.FI.EG09:** Add and subtract money in dollars only or in cents only

Given photo of coins, determine value

**A** dimes = pennies

**B** dimes = nickels

**C** correct

**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 1-digit numbers

**A** correct

**B** two less than sum

**C** sum of first and second addend

**27** **N.FL.03.FI.EG16:** Calculate sums and differences

Add 1-digit number to 2-digit number

**A** smaller values subtracted from greater values in ones place

**B** correct

**C** increases tens place by one

**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.FL.03.FI.EG12:** Know all the addition facts up to 10 + 10

Add two 1-digit numbers

**A** one less than sum

**B** correct

**C** one more than sum

**30** **N.MR.03.FI.EG11:** Understand the relationship between addition and subtraction

Given subtraction sentence, find sum of related addition sentence

**A** sum of all three numbers in subtraction sentence

**B** sum of minuend and subtrahend

**C** correct

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