MI Access
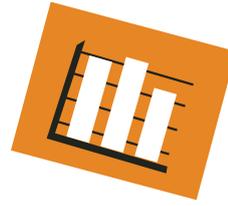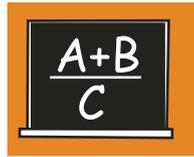**Michigan's Alternate Assessment Program**

Functional Independence
Fall 2012

Mathematics

Item Descriptors

Grade 6

MICHIGAN STATE BOARD OF EDUCATION
STATEMENT OF ASSURANCE OF COMPLIANCE WITH FEDERAL LAW

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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 **N.MR.05.FI.EG09:** Create, describe, and extend simple number patterns

Find missing number in skip-counting pattern

  A difference between adjacent numbers

  B difference between first and last numbers

  C correct

2 **N.MR.05.FI.EG10:** Find the next number in a simple repeating pattern

Describe how to find next number in skip-counting pattern

  A correct

  B correct operation but under by 2

  C correct operation but under by 1

3 **M.UN.05.FI.EG01:** Select and use standard tools for measurement

Select tool to measure length

  A tool to measure time

  B correct

  C tool to measure temperature

4 **M.PS.05.FI.EG03:** Measure and compare integer temperatures

Use thermometer to measure temperature

  A correct

  B under by 4 degrees

  C under by 2 degrees

5 **M.UN.05.FI.EG05:** Measure lengths to the nearest inch

Measure length to nearest inch

A   under by one inch

B   correct

C   over by one inch

6 **M.UN.05.FI.EG02:** Select appropriate units of measure

Identify unit of measure for distance

A   unit of measure for volume

B   unit of measure for temperature

C   correct

7 **M.UN.05.FI.EG04:** Approximate temperature

Identify most likely temperature given context

A   correct

B   too high of a temperature

C   higher temperature than in B

8 **M.PS.05.FI.EG08:** Solve one-step word problems

Add increase to temperature

A   subtracted

B   incorrect addition

C   correct

9 **G.GS.05.FI.EG01:** Identify, describe, and compare two-dimensional shapes

Given diagram, identify name of shape

A   incorrect 2-D shape

B   incorrect 2-D shape

C   correct

10 **G.LO.05.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

11 M.PS.05.FI.EG06: Measure and compare lengths, weights, and volumes

Determine greatest weight in pounds given three weights

A   intermediate weight

B   least weight

C   correct

12 M.UN.05.FI.EG07: Tell time on a radial or digital clock to the nearest hour

Tell time on a radial clock

A   correct

B   one hour over

C   location of minute hand

13 M.UN.05.FI.EG09: Identify and use different coins and bills

Given value in dollars and cents, identify matching set of bills and coins

A   1-dollar bill has value of five dollars

B   5-dollar bill has value of ten dollars

C   correct

14 M.UN.05.FI.EG10: Recognize equivalent sets of coins and bills

Identify set of coins equivalent to given set

A   correct

B   25 cents over

C   10 cents over

15 M.PS.05.FI.EG12: Add and subtract money in dollars and cents

Add money in word problem

A   omitted one of addends

B   correct

C   incorrect addition

16 M.PS.05.FI.EG12: Add and subtract money in dollars and cents

Subtract money in word problem

A   10 cents = $1

B   correct

C   added

17 D.RE.05.FI.EG03: Describe the shape of data using informal language

Interpret trend of data in table

A   correct

B   incorrect trend

C   incorrect trend

18 D.RE.05.FI.EG02: Draw predictions and conclusions from data in tables, graphs, and charts

Interpret bar graph: find maximum value

A   neither maximum nor minimum

B   minimum, not maximum

C   correct

19 D.RE.05.FI.EG03: Describe the shape of data using informal language

Interpret trend of data in chart

A   incorrect trend

B   correct

C   incorrect trend

20 N.ME.05.FI.EG01: Read, write, and count using whole numbers to 10,000

Translate word form to standard form

A   correct

B   a,bcd = ab,0cd

C   a,bcd = a0b,0cd

21 N.ME.05.FI.EG02: Recognize equivalent representations for whole numbers to 10,000

Identify equivalent addition expression

A   correct

B   one incorrect addend

C   one incorrect addend

22 N.ME.05.FI.EG02: Recognize equivalent representations for whole numbers to 10,000

Translate standard form to expanded form

A $a,bcd = a + b + c + d$

B $a,bcd = a00 + b0 + c + d$

C   correct

23 N.ME.05.FI.EG03: Represent whole numbers to 10,000

Given key and blocks, translate to standard form

A   100 less than total

B   30 less than total

C   correct

24 N.ME.05.FI.EG05: Express numbers to 10,000 using place value

Determine number with value in tens place

A   correct

B   ones place = tens place

C   hundreds place = tens place

25 N.ME.05.FI.EG07: Count numbers to 10,000 by 1s and to 1,000 by 2s, 5s, 10s, and 100s

Calculate number of objects in array

A   twice the correct total

B   correct

C   length + width

26 N.ME.05.FI.EG08: Identify and place whole numbers on a number line

Identify shape at given location on number line in increments of 5

A   shape with location 10 less than correct location

B   shape with location 20 less than correct location

C   correct

27 N.ME.05.FI.EG06: Compare and order numbers to 10,000

Determine number greater than given number

A   correct

B   less than given number

C   less than given number

28 N.ME.05.FI.EG08: Identify and place whole numbers on a number line

Identify shape at given location on number line in increments of 500

A   shape with location 3,000 less than correct location

B   correct

C   shape with location 2,000 greater than correct location

29 N.FL.05.FI.EG11: Use addition properties of 0

Add 3-digit number to zero

A   incorrect difference

B   subtracted 5

C   correct

30 N.MR.05.FI.EG13: Solve simple open sentences for addition and subtraction

Subtract two 2-digit numbers

A   added

B   over by 10

C   correct

31 N.FL.05.FI.EG11: Use addition properties of 0

Add 0 to 2-digit number

A   correct

B   added 1

C   added 10

32 N.FL.05.FI.EG12: Add and subtract two numbers with 1 or 2 digits each

Subtract two 2-digit numbers in context

A   correct

B   subtracted smaller values from larger values

C   over by 10

33 N.MR.05.FI.EG15: Select appropriate numbers to solve problems

Select correct 2-digit addends and add

A   sum of first two addends

B   sum of second two addends

C   correct

34 N.FL.05.FI.EG14: Apply estimation in solving problems

Estimate cost in dollars

   A   underestimate by $10

   B   correct

   C   overestimate by $10

35 N.MR.05.FI.EG15: Select appropriate numbers to solve problems

Select correct 2-digit addends and add

   A   sum of first two addends

   B   sum of first and third addends

   C   correct

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