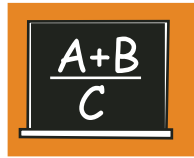


Functional Independence

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

- 5 G.GS.03.FI.EG01:** Identify common two-dimensional shapes

Identify diagram with given number of sides

- A** diagram with one less side
- B** correct
- C** diagram with six more sides

- 6 G.LO.03.FI.EG02:** Describe and 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.EG01:** Read, write, and count whole numbers to 100

Translate word form into standard form

- A** tens = ones
- B** correct
- C** two more than correct value

- 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 equivalent 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 with a scale of one

Read pictograph with scale of 1

- 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

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

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

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

Add lengths in miles

- A** correct
- B** incorrect addition
- C** subtracted

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

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



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