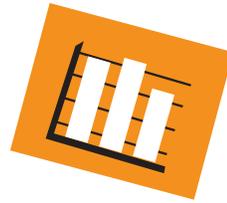
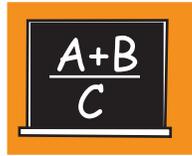


Functional Independence

Fall 2010



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.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

- 9 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

- 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.ME.03.FI.EG03:** Represent whole numbers to 100

Given key & diagram, identify number

- A** omitted ones
- B** one less than total
- C** correct

- 13 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

- 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.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

- 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 length of two objects

- A** incorrect comparison
- B** correct
- C** incorrect comparison

- 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 the 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 heights of three children

- A** shortest, not tallest
- B** correct
- C** neither shortest nor tallest

- 21 M.PS.03.FI.EG06:** Solve measurement word problems

Add lengths in miles

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

- 22 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

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

Given photo of coins, determine value

- A** dimes = pennies
- B** dimes = nickels
- C** correct

- 24 M.PS.03.FI.EG09:** Add and subtract money in dollars only

Subtract money in dollars

- A** correct
- B** incorrect subtraction or subtrahend
- C** incorrect subtraction

- 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.MR.03.FI.EG11:** Understand the relationship of + and -
- Identify related subtraction sentence given addition sentence
- A** unrelated subtraction sentence
 - B** correct
 - C** unrelated subtraction sentence
- 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.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
- 29 N.MR.03.FI.EG11:** Understand the relationship of + and -
- 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
- 30 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



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