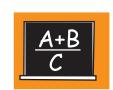




Functional Independence

Fall 2013







Mathematics

Item Descriptors

Grade

Funded by the Michigan Department of Education and the U.S. Department of Education (USED).



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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 G.SR.03.FI.EG04: Predict the next element in a simple geometric pattern

Identify next shape in 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

Identify next shape in geometric pattern

- **A** incorrect shape
- **B** correct
- **C** incorrect shape

3 N.MR.03.FI.EG09: Create, describe, and extend simple number patterns

Find next number in skipcounting pattern

- A added 1 to previous number
- **B** correct
- **C** added 10, instead of 5

4 N.ME.03.FI.EG06: Count to 100 by 1s, 2s, 5s, and 10s

Find missing number in addition skip-counting pattern

- **A** skip counted by 1
- **B** correct
- **C** skip counted by 3



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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 D.RE.03.FI.EG01:** Collect and explore data through counting

Identify set with given number of elements

- A incorrect set
- **B** incorrect set
- **C** correct
- **7 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

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

Given key, identify diagram that shows number

- **A** transposed tens and ones
- **B** correct
- **C** omitted ones
- **10 N.ME.03.FI.EG01:** Read, write, and count whole numbers to 100

Count number of tally marks

- **A** 5 fewer
- **B** correct
- C 5 more

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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 G.LO.03.FI.EG02:** Describe and use relative position of objects on a plane and in space

Identify item positioned relative to another item

- **A** correct
- **B** incorrect item
- **C** incorrect item
- **13 N.ME.03.FI.EG07:** Understand a number line

Know numbers left/right of a number are less than/greater than the number

- A incorrect conclusion
- **B** incorrect conclusion
- **C** correct

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14 N.ME.03.FI.EG08: Identify and place whole numbers on a number line that begins at zero

Identify number that comes after given number

- A before
- **B** before
- **C** correct
- **15 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
- **16 M.PS.03.FI.EG06:** Solve one-step word problems

Add lengths in miles

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

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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
- **18 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
- **19 M.UN.03.FI.EG07:** Identify different denominations of coins and bills

Given set of coins, identify number of particular coin

- **A** number of different coin
- **B** number of different coin
- **C** correct

20 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** correct
- **C** 2 days after given day
- **21 M.PS.03.FI.EG06:** Solve one-step word problems

Subtract lengths in context

- **A** 1 inch under
- **B** correct
- **C** 1 inch over
- **22 N.ME.03.FI.EG04:** Compose and decompose numbers to 30

Compose numbers given in tens and ones

- **A** correct
- **B** did not include the ones
- **C** did not include one of the tens





23 M.PS.03.FI.EG02: Compare the length and weight of objects

Compare heights of three children

- **A** shortest, not tallest
- **B** correct
- **C** neither shortest not tallest

24 N.ME.03.FI.EG05: Compare and order numbers to 100

Compare two 1-digit numbers

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

25 N.MR.03.FI.EG13: Apply knowledge of fact families

Find missing addend in addition equation

- A 2nd addend
- **B** correct
- C sum

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26 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

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

Add time in context

- A incorrect sum
- **B** incorrect sum
- **C** correct





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

Add cents in context

- A 2nd addend
- **B** correct
- **C** over by 25 cents
- **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.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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