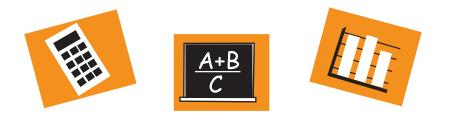


Fall 2010



Mathematics

Item Descriptors



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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.ME.05.FI.EG03: Represent whole numbers to 10,000		4	M.UN.05.FI.EG02: Select appropriate units of measure	
		Given key & diagram, identify number		Identify unit of measure for weight	
	Α	11 less than total		Α	unit of measure for length
	В	correct		В	unit of measure for time
	С	10 more than total		С	correct
2	N.MR.05.FI.EG09: Create, describe, and extend simple number patterns		5	M.UN.05.FI.EG05: Measure lengths to the nearest inch	
	Identify pattern that matches			Measure length to nearest inch	
	given description			Α	under by one inch
	Α	correct		В	correct
	В	increasing pattern, but by incorrect amount		С	over by one inch
	С	increasing pattern, but by incorrect amount	6		PS.05.FI.EG08: Solve one- p word problems
3				Add	l increase to temperature
	M.UN.05.FI.EG02: Select appropriate units of measure			Α	subtracted
	Identify unit of measure for distance			В	incorrect addition
				С	correct
	Α	unit of measure for volume			
	В	unit of measure for temperature			
	С	correct			

7 M.UN.05.FI.EG01: Use standard tools for measurement

Identify tool used to measure weight

- A tool used to measure length
- **B** tool used to measure volume
- **C** correct
- 8 **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
- **9 G.LO.05.FI.EG02:** 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

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

Given value in whole dollars, identify corresponding photo of bills

- A correct
- **B** 5-dollar bill has value of one dollar
- C 10-dollar bill has value of five dollars
- 11 M.UN.05.FI.EG10: Recognize equivalent sets of coins and bills

Identify matching set of coins given bill and coin

- A correct
- **B** nickels = quarters quarters = dimes dime = nickel
- **C** quarter = dollar dime = nickel
- **12 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

13 M.PS.05.FI.EG12: Add and 17 D.RE.05.FI.EG02: Draw subtract money in dollars and predictions and conclusions from data cents Add money in word problem Interpret bar graph: find maximum value Α omitted one of addends neither maximum nor Α B correct minimum С incorrect addition B minimum, not maximum С correct 14 M.PS.05.FI.EG03: Measure and compare integer temperatures D.RE.05.FI.EG02: Draw 18 Read thermometer in °F predictions and conclusions from data did not use scale Α Interpret bar graph: find В correct maximum value С nearest 10° Α neither maximum nor minimum 15 M.UN.05.FI.EG01: Use B minimum, not maximum standard tools for measurement С correct Identify tool used to measure weight 19 D.RE.05.FI.EG03: Describe the tool used to measure time Α shape of data В correct Interpret trend of data in chart С tool used to measure length Α incorrect trend B correct 16 M.PS.05.FI.EG08: Solve onestep word problems С incorrect trend Subtract whole number of quarts subtrahend Α B correct С added

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

Translate word form of number into standard form

- A incorrect in ones place
- **B** correct
- **C** transposed tens and ones
- 21 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
- 22 N.ME.05.FI.EG02: Recognize representations for whole numbers to 10,000

Translate standard form of number into expanded form

- A correct
- **B** sum of face value of each digit
- C thousands = hundreds hundreds = tens tens = ones

23 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

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

Identify equivalent addition expression

- A correct
- **B** one incorrect addend
- **C** one incorrect addend
- 25 N.ME.05.FI.EG07: Count numbers to 10,000 by 2's, 5's, 10's and 100's

Determine number of objects in array

- **A** twice the correct total
- **B** correct
- **C** length + width

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

Determine number with given value in tens place

- A correct
- **B** ones place = tens place
- **C** hundreds place = tens place
- 27 N.ME.05.FI.EG07: Count numbers to 10,000 by 2's, 5's, 10's and 100's

Count by 100's to find total

- A 500 less than total
- **B** 100 less than total
- **c** correct
- 28 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

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

Add 0 to 2-digit number

- **A** correct
- **B** added 1
- C added 10
- **30** N.MR.05.FI.EG13: Solve simple open sentences for +/-

Find missing addend in number sentence

- A 10 less than addend
- **B** correct
- **C** 10 greater than addend
- **31 N.FL.05.FI.EG11:** Use addition properties of 0

Solve word problem with 0 as one of addends

- A half of first addend
- **B** correct
- **C** twice the first addend

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

Subtract 1-digit number from 2-digit number

- A correct
- **B** added
- **C** minuend
- **33 N.FL.05.FI.EG14:** Apply estimation in solving problems

Estimate sum

- **A** underestimate (subtracted)
- **B** correct
- **C** overestimate
- 34 N.MR.05.FI.EG15: Select numbers to solve problems

Add three 2-digit numbers

- **A** sum of first two addends
- **B** sum of second two addends
- **C** correct

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

Estimate difference

- A underestimate
- **B** correct
- **C** overestimate

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