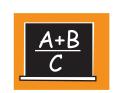


Functional Independence







Mathematics

Item Descriptors

Grade 7

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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.06.FI.EG06: Find the next number in a simple repeating pattern

Identify pattern that matches given description

- **A** increasing by given value, instead of decreasing
- **B** increasing and decreasing
- **C** correct
- 2 **N.MR.06.FI.EG06:** Find the next number in a simple repeating pattern

Describe skip-counting pattern

- A added half of correct value
- **B** correct
- **C** added first number in pattern
- **N.MR.06.FI.EG05:** Create, describe, and extend simple number patterns

Describe skip-counting pattern

- **A** incorrect pattern
- **B** correct
- **C** incorrect pattern

4 M.UN.06.FI.EG02: Select appropriate units of measure

Select unit of measure for volume

- **A** unit of measure for length
- **B** unit of measure for temperature
- **C** correct
- **M.UN.06.FI.EG04:** Measure lengths to the nearest half-inch

Use ruler to measure length of rectangle

- A incorrect length
- **B** incorrect length
- **C** correct
- **M.UN.06.FI.EG08:** Know equivalent calendar units

Know number of days in a week

- **A** too few days
- **B** too few days
- **C** correct

M.UN.06.FI.EG07: Tell time on a clock to the nearest hour

Identify clock displaying given time

- **A** correct
- **B** incorrect time
- **C** incorrect time
- **8 M.UN.06.FI.EG01:** Select and use standard tools for measurement

Identify tool used to measure length

- **A** correct
- **B** tool used to measure temperature
- **C** tool used to measure volume
- **9 G.LO.06.FI.EG03:** Read, interpret and use maps and grids

Interpret map to determine general direction

- A opposite direction
- **B** correct
- **C** incorrect direction

10 G.LO.06.FI.EG01: Use relative position of objects on a plane and in space

Describe relative position of two objects

- **A** incorrect position
- **B** correct
- **C** incorrect position
- **11 G.LO.06.FI.EG03:** Read, interpret and use maps and grids

Interpret diagram to determine directional turns

- **A** correct
- **B** opposite turns
- **C** incorrect turns
- **M.PS.06.FI.EG09:** Solve one-step word problems

Given time, find earlier time by given number of hours

- **A** correct
- **B** added, instead of subtracted
- **C** incorrect subtraction

13 M.UN.06.FI.EG07: Tell time on a clock to the nearest hour

Tell time to nearest hour on an analog clock

- **A** minute hand = hour hand
- **B** correct
- **C** sum of minute hand and hour hand
- **14 M.PS.06.FI.EG09:** Solve one-step word problems

Given temperature and increase, calculate final temperature

- A subtracted, instead of added
- **B** starting temperature
- **C** correct
- **15 N.ME.06.FI.EG01:** Read, write and count using whole numbers to 10,000

Translate word form of number into standard form

- **A** hundreds = tens
- **B** correct
- **C** transposed tens and ones

16 N.ME.06.FI.EG03: Express numbers to 10,000 using place value

Determine number in ones place of given number

- A thousands place
- **B** correct
- **C** hundreds place
- **17 N.ME.06.FI.EG04:** Compare and order numbers to 10,000

Determine number less than given number

- **A** greater than given number
- **B** greater than given number
- **C** correct
- **18 N.ME.06.FI.EG03:** Express numbers to 10,000 using place value

Translate expanded form of number into standard form

- **A** correct
- **B** tens = hundreds
- **C** tens = hundreds ones = tens

19 D.RE.06.FI.EG03: Describe the shape of data

Describe data given in chart

- **A** incorrect trend
- **B** correct
- **C** incorrect trend
- **20 D.RE.06.FI.EG04:** Solve problems using data

Calculate total from chart

- **A** difference
- **B** 10 less than total
- **C** correct
- 21 D.RE.06.FI.EG01: Read data

Match given bar graph to table

- **A** incorrect table
- **B** incorrect table
- **C** correct

22 N.FL.06.FI.EG07: Add and subtract one- and two-digit numbers

Subtract two 2-digit numbers

- **A** correct
- **B** subtracted smaller values from larger values
- **C** 10 more than difference
- **23 N.MR.06.FI.EG09:** Understand multiplication

Match multiplication expression to array

- **A** correct
- **B** missing one column
- **C** extra row and extra column
- **24 N.MR.06.FI.EG08:** Solve simple number sentences for +/-

Add two 2-digit numbers

- **A** 10 less than sum
- **B** subtracted in ones place
- **C** correct

25 N.MR.06.FI.EG09: Understand multiplication

Match multiplication expression to diagram

- **A** correct
- **B** diagram for addition
- **C** diagram for addition
- **26 N.FL.06.FI.EG10:** Multiply numbers up to 5 x 5

Multiply in word problem

- **A** subtracted
- **B** added
- **C** correct
- **27 N.MR.06.FI.EG09:** Understand multiplication

Given context, match to multiplication expression

- **A** incorrect expression
- **B** correct
- **C** incorrect expression

28 N.FL.06.FI.EG14: Apply estimation

Estimate difference

- A added
- **B** overestimate
- **C** correct
- **29 N.MR.06.FI.EG16:** Solve applied problems

Determine fraction to match given context

- **A** correct
- **B** ratio remaining instead of ratio taken
- **C** incorrect fraction
- **30 N.MR.06.FI.EG15:** Select appropriate numbers to solve problems

Select number sentence to match word problem

- A added one subtrahend
- **B** correct
- C added both subtrahends

31 N.MR.06.FI.EG15: Select appropriate numbers to solve problems

Select number sentence to match word problem

- **A** subtracted, instead of added
- **B** subtracted (resulting in negative difference)
- **C** correct
- **32 M.UN.06.FI.EG10:** Recognize equivalent sets of coins and bills

Identify matching set of coins given coins

- A correct
- **B** same set without 2 dimes
- **C** set needs one more dime
- **33 M.PS.06.FI.EG11:** Tell the amount of money in dollars and cents

Given photo of coins, calculate total value

- A over by 10 cents
- **B** correct
- **C** dime is worth one cent

34 M.PS.06.FI.EG12: Add and subtract money in dollars and cents

Add money in dollars and cents

- A subtracted cents
- **B** incorrect addition with cents
- **C** correct
- **35 M.PS.06.FI.EG11:** Tell the amount of money in dollars and cents

Given photo of bills and coins, calculate total

- A did not include all bills in total
- **B** miscalculated total
- **C** correct



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