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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 Benchmark (EB) and the second statement or problem is the descriptor for the item's stem or question.

1. **F.11.FI.EB01**: Create, describe, and extend simple number patterns
   - Find last number in skip-counting pattern
   - A. added 1, instead of 3
   - B. correct
   - C. added 20, instead of 3

2. **F.11.FI.EB02**: Find the next number in a simple repeating pattern
   - Determine rule for skip-counting pattern
   - A. correct
   - B. divided, instead of subtracting
   - C. added, instead of subtracting

3. **F.11.FI.EB03**: Identify, describe, and extend patterns found in daily life
   - Find next time in given pattern involving time
   - A. subtracted 30 minutes, instead of adding
   - B. correct
   - C. added 60 minutes, instead of 30 minutes

4. **F.11.FI.EB01**: Create, describe, and extend simple number patterns
   - Find last number in skip-counting pattern
   - A. correct
   - B. subtracted 1, instead of 4
   - C. added 1, instead of subtracting 4

5. **G.11.FI.EB01**: Select and use standard tools for measurement
   - Determine amount of water in measuring cup
   - A. correct
   - B. fraction value shown on cup above the water
   - C. amount in cup without water

6. **G.11.FI.EB04**: Read gauges and meters
   - Read depth gauge
   - A. less than correct depth
   - B. correct
   - C. used scale of 2, instead of 1
7 G.11.FI.EB02: Select appropriate units of measure
   Select unit of measure for height
   A unit for temperature
   B inappropriate unit for context
   C correct

8 G.11.FI.EB08: Measure perimeter
   Find perimeter of rectangle given length and width
   A area = perimeter
   B length + width
   C correct

9 G.11.FI.EB05: Measure lengths to the nearest eighth-inch
   Measure pencil in inches
   A correct
   B 1/4 inch greater than correct length
   C 1/2 inch greater than correct length

10 G.11.FI.EB09: Convert measurements of length
   Convert yards to feet
   A added yards to 3 feet
   B correct
   C 1 yard = 12 feet

11 G.11.FI.EB10: Tell time on a radial or digital clock to the nearest 5 minutes
   Add 5 minutes to time shown on radial clock
   A subtracted 5 minutes
   B correct
   C added 5 hours

12 G.11.FI.EB12: Use a calendar and equivalent calendar units
   Convert weeks to days
   A number of days in 1 week
   B correct
   C 1 week = 10 days
13 **G.11.FI.EB14:** Solve one- and two-step word problems

Subtract measurement in inches in context

A correct

B 10 inches greater than correct length

C added

14 **G.11.FI.EB13:** Read and interpret schedules

Interpret schedule shown on calendar

A next day after last term shown in pattern

B did not follow pattern

C correct

15 **G.11.FI.EB15:** Recognize equivalent sets of coins and bills

Determine equivalent amounts of money

A different amounts

B different amounts

C correct

16 **G.11.FI.EB17:** Add and subtract money in dollars and cents

Subtract money given in decimal notation

A subtracted smaller values from greater values

B correct

C correct dollar amount, incorrect number of cents

17 **G.11.FI.EB20:** Read, interpret, and use maps and grids with legends

Interpret map

A location is given number of blocks west, instead of east

B correct

C location is given number of blocks north, instead of east

18 **G.11.FI.EB19:** Find and name locations using simple coordinate systems

Name location of point on coordinate grid

A \((x + 1, y + 1)\)

B \((y, x)\)

C correct
19  **G.11.FI.EB20:** Read, interpret, and use maps and grids with legends

Describe directions to location on map

A  incorrect directions  
B  incorrect directions  
C  correct

20  **G.11.FI.EB19:** Find and name locations using simple coordinate systems

Interpret map grid

A  incorrect location  
B  incorrect location  
C  correct

21  **D.11.FI.EB04:** Describe the shape of data using informal language

Describe data in line graph

A  correct  
B  opposite description  
C  incorrect description

22  **D.11.FI.EB03:** Draw predictions and conclusions from data in tables, graphs, and charts

Interpret pattern shown in table

A  previous day's value  
B  added 1, instead of 8  
C  correct

23  **N.11.FI.EB01:** Read, write, and count using whole numbers to 100,000

Add 1 to given amount

A  correct  
B  10 times correct sum  
C  100 times correct sum

24  **N.11.FI.EB05:** Round whole numbers

Round number to nearest 10

A  rounded to nearest hundred  
B  rounded down a number greater than 5  
C  correct
25 **N.11.FI.EB02**: Recognize equivalent representations for whole numbers to 100,000

Select addition expression that equals given sum

A  correct
B  over by 1
C  over by 2

26 **N.11.FI.EB03**: Express numbers to 100,000 using place value

Translate word form of number into standard form

A  thousand = hundred, hundred = ten
B  hundred = ten
C  correct

27 **N.11.FI.EB10**: Understand percentages

Translate percent notation into words

A  ab% means a out of b
B  ab% means ab out of 10
C  correct

28 **N.11.FI.EB13**: Recognize, name, represent, and write fractions

Identify shaded rectangles that match given fraction, x/y

A  correct
B  model with x shaded rectangles and y nonshaded rectangles
C  model with x + y rectangles, completely shaded

29 **N.11.FI.EB12**: Solve word problems involving percentages

Calculate amount of sales tax given tax rate and monetary value

A  incorrect amount
B  incorrect amount
C  correct

30 **N.11.FI.EB17**: Round money

Round money in decimal notation to nearest dollar

A  rounded down amount over 50 cents
B  rounded to nearest dime
C  correct
31 N.11.FI.EB15: Add and subtract two fractions with like denominators

Add two fractions with like denominators

A added numerators and denominators
B correct
C subtracted

32 N.11.FI.EB14: Compare and order fractions

Identify unit fraction with greatest value

A correct
B fraction with neither the greatest nor least value
C fraction with least value

33 N.11.FI.EB18: Add, subtract, multiply, and divide decimal fractions in relation to money

Add and multiply with money in context

A over by $1
B correct
C amount for first purchase, did not include second purchase

34 N.11.FI.EB18: Add, subtract, multiply, and divide decimal fractions in relation to money

Add and subtract with money in context

A correct
B over by $1
C amount of change due if one item not purchased

35 N.11.FI.EB19: Apply estimation in solving problems

Estimate sum

A underestimate
B correct
C overestimate

36 N.11.FI.EB21: Solve applied problems

Divide with money in context

A correct
B incorrect quotient
C incorrect quotient

37 N.11.FI.EB21: Solve applied problems

Multiply with money in context

A under by more than $1
B under by $1
C correct
38  **A.11.FI.EB03**: Represent information using algebra

Identify equation that matches situation

A  correct
B  difference, instead of sum
C  addend + total = addend

39  **A.11.FI.EB01**: Solve applied problems involving rates

Divide in context

A  correct
B  added
C  multiplied

40  **A.11.FI.EB02**: Identify the unknown quantity

Identify addend

A  total divided by addend
B  correct
C  total + addend