

Special Instructions for the  
Braille Edition of the  
**Grade 3**  
**Mathematics**  
**Practice Test Booklet**

### General Comments

1. Braille pages are numbered sequentially in the lower right-hand corner. The corresponding print page numbers are in the upper right-hand corner.
2. A Special Symbols page is included to provide the student with information about the dot formation of special braille characters. A Transcriber's Note page is included within the test to explain special format and layout of information.
3. Mathematical content is transcribed according to *The Nemeth Braille Code for Mathematics and Science Notation*, 1972 Revision, 2007-2016 Updates including the *Guidance for Transcription Using the Nemeth Code within UEB Contexts*.
4. The footers "Go on" are deleted in braille.
5. All references to the answer sheet are omitted in braille. The Answer Sheet is not reproduced in braille.
6. The calculator icons are not included in braille.
7. There are no tactile graphics in this test. Visual information is replaced with descriptions included as a transcriber's note or within the question.

### Specific Comments:

Page 2

Directions revised to read as follows:

**Directions:**

Today, you will take Unit 1 of the Grade 3 Mathematics Practice Test. You will not be able to use a calculator.

Read each question. Then, follow the directions to answer each question. Write your answer. If you need to change an answer, erase it, cross it out or start a new line. If a question asks you to show or explain your work, you must do so to receive full credit. Work done on scratch paper will not be scored.

If you do not know the answer to a question, you may go on to the next question. If you finish early, you may review your answers and any questions you did not answer in this unit ONLY. Do not go past the word STOP.

Page 3

Directions revised to read as follows:

**Answer Grid Items**

Several items in this test require you to enter your answer on a special grid. The sample pictures of the answer grids are omitted in braille. The answer grid has six answer boxes to write a numeral or decimal point.

## Directions for Completing the Answer Grids

1. Work the problem and find an answer.
2. Give your answer by using a braille writing device (e.g., braillewriter, braille note-taker, slate and stylus) or other method so that when transcribed, it will fit into the answer grid.
3. Answers may take up to six spaces to fit in the grid. Answers may include a numeral or decimal point, but do not count braille numeric indicators when determining use of the six spaces in the grid. Do not leave a blank space in the middle of an answer.
4. Fractions cannot be entered into an answer grid and will not be scored. Insert fractions as decimals.

Page 5, #2

A picture description is inserted as a Transcriber's Note for each answer choice:

- A. Clock: The little hand is pointing toward the 1 and the big hand is pointing toward the 1.
- B. Clock: The little hand is pointing toward the 1 and the big hand is pointing toward the 11.
- C. Clock: The little hand is pointing between the 12 and 1 and the big hand is pointing toward the 9.
- D. Clock: The little hand is pointing toward the 1 and the big hand is pointing toward the 12.

Pages 6-8, #3

Part A: Last sentence reworded, "Write your answer and your work."

Part B: Last sentence reworded, "Write your answer."

Part C: Last sentence reworded, "Write your answer and your work."

Page 9, #4

A picture description is inserted as a Transcriber's Note for each answer choice:

- A. Model: A square is divided into 4 equal sections with the lower right section shaded.
- B. Model: A circle is divided into 4 equal sections with the upper right and lower left sections shaded.
- C. Model: A rectangle is divided into 4 equal sections with the third section shaded.
- D. Model: A rectangle is divided into 4 equal sections with the upper right, lower right, and lower left sections shaded.

- E. Model: A circle is divided into 4 equal sections with the upper right section shaded.
- F. Model: A rectangle is divided into 4 equal sections with the second and third sections shaded.

Page 10, #5

A picture description is inserted as a Transcriber's Note for each answer choice:

- A. Number line: Horizontal line with arrows on both ends. Sixteen tick marks are spaced evenly along the line with the first tick mark labeled 0. Starting at 0, every 3rd tick mark is labeled with a whole number from 1 to 5. Starting at 0, a solid dot is shown on the first tick.
- B. Number line: Horizontal line with arrows on both ends. Sixteen tick marks are spaced evenly along the line with the first tick mark labeled 0. Starting at 0, every 3rd tick mark is labeled with a whole number from 1 to 5. Starting at 1, a solid dot is shown on the second tick.
- C. Number line: Horizontal line with arrows on both ends. Sixteen tick marks are spaced evenly along the line with the first tick mark labeled 0. Starting at 0, every 3rd tick mark is labeled with a whole number from 1 to 5. A solid dot is shown on the tick mark labeled 3.
- D. Number line: Horizontal line with arrows on both ends. Sixteen tick marks are spaced evenly along the line with the first tick mark labeled 0. Starting at 0, every 3rd tick mark is labeled with a whole number from 1 to 5. A solid dot is shown on the tick mark labeled 5.

Pages 12-13, #6

Part A: Last sentence reworded, "Write your explanation."  
Part B: Last sentence reworded, "Write your answer and your work or explanation."

Pages 16-17, #8

A picture description is inserted as a Transcriber's Note—A bar graph with the title Package Delivery is shown. The horizontal axis is labeled Day, and has the following days marked from left to right: Monday, Tuesday, Wednesday, Thursday, and Friday. The vertical axis is labeled Number of Packages and ranges from 0 to 250 in increments of 10. The bar values for each day of the week are listed below:

Monday 220

Tuesday 130

Wednesday 170

Thursday 210

Friday 90

Part B: Last sentence reworded, "Write your answer."

Page 17, #9

A picture description is inserted as a Transcriber's Note for each answer choice:

- A. Shape: A rectangle is divided into 2 rows. The top row has 1 rectangle and 2 squares, and the bottom row has 5 squares.

- B. Shape: A circle is divided into 2 large sections, 4 medium sections and 2 small sections.
- C. Shape: A square is divided into 8 equal rectangles.
- D. Shape: A circle is divided into 6 equal sections.

Page 18, #10

Last sentence reworded, "Write your answer."

Page 19, #11

A picture description is inserted as a Transcriber's Note–Model: A square and a rectangle are connected. The top and left side of the square are both labeled 7 m. The bottom of the square is the same length as the top. Part of the right side of the square connects to part of the left side of the rectangle. The bottom of the rectangle is labeled 9 m, and the right side is labeled 6 m. The top of the rectangle is the same length as the bottom. The opening where the square and rectangle meet is half the height of the rectangle. Last sentence reworded, "Write your answer and your explanation using your equation or equations."

Page 22

Directions revised to read as follows:

**Directions:**

Today, you will take Unit 2 of the Grade 3 Mathematics Practice Test. You will not be able to use a calculator.

Read each question. Then, follow the directions to answer each question. Write your answer. If you need to change an answer, erase it, cross it out or start a new line. If a question asks you to show or explain your work, you must do so to receive full credit. Work done on scratch paper will not be scored.

If you do not know the answer to a question, you may go on to the next question. If you finish early, you may review your answers and any questions you did not answer in this unit ONLY. Do not go past the word STOP.

Page 23

Directions revised to read as follows:

**Answer Grid Items**

Several items in this test require you to enter your answer on a special grid. The sample pictures of the answer grids are omitted in braille. The answer grid has six answer boxes to write a numeral or decimal point.

**Directions for Completing the Answer Grids**

1. Work the problem and find an answer.
2. Give your answer by using a braille writing device (e.g., braillewriter, braille note-taker, slate and stylus) or other method so that when transcribed, it will fit into the answer grid.
3. Answers may take up to six spaces to fit in the grid. Answers may include a numeral or decimal point, but do not count braille numeric indicators

when determining use of the six spaces in the grid. Do not leave a blank space in the middle of an answer.

4. Fractions cannot be entered into an answer grid and will not be scored. Insert fractions as decimals.

- Pages 26-27, #14 Part A: Last sentence reworded, "Write your answer."  
Part B: Last sentence reworded, "Write your answer."
- Page 28, #17 A picture description is inserted as a Transcriber's Note for each answer choice:
- A. Shape: A circle is divided into 9 equal slices.
  - B. Shape: A circle is divided into 6 equal slices.
  - C. Shape: A square is divided into 8 equal sections.
  - D. Shape: A polygon is divided into 6 equal sections.
  - E. Shape: A rectangle is divided into 6 unequal sections.
- Page 29, #19 Last sentence reworded, "Write your answer."
- Pages 30-31, #20 Part A: A picture description is inserted as a Transcriber's Note—The title of the figure is Artist's Wall. A rectangle is divided into six equal parts. Last sentence reworded, "Write your answer and your work or explanation."  
Part B: A picture description is inserted as a Transcriber's Note—Four sections of the rectangle are shaded. Two sections of the rectangle are not shaded. Second sentence reworded, "The parts of the wall that are not shaded are not painted yet."
- Page 32, #21 A picture description is inserted as a Transcriber's Note—Number line: Seven tick marks are evenly spaced along the line. The first tick is labeled 0, and the last tick is labeled 1. Starting at 0, a solid dot is shown on the fifth tick mark. Last sentence reworded, "Write your answer and your explanation."
- Page 34 Directions revised to read as follows:  
**Directions:**  
Today, you will take Unit 3 of the Grade 3 Mathematics Practice Test. You will not be able to use a calculator.
- Read each question. Then, follow the directions to answer each question. Write your answer. If you need to change an answer, erase it, cross it out or start a new line. If a question asks you to show or explain your work, you must do so to receive full credit. Work done on scratch paper will not be scored.
- If you do not know the answer to a question, you may go on to the next question. If you finish early, you may review your answers and any questions you did not answer in this unit ONLY. Do not go past the word STOP.

Directions revised to read as follows:

**Answer Grid Items**

Several items in this test require you to enter your answer on a special grid. The sample pictures of the answer grids are omitted in braille. The answer grid has six answer boxes to write a numeral or decimal point.

Directions for Completing the Answer Grids

1. Work the problem and find an answer.
2. Give your answer by using a braille writing device (e.g., braillewriter, braille note-taker, slate and stylus) or other method so that when transcribed, it will fit into the answer grid.
3. Answers may take up to six spaces to fit in the grid. Answers may include a numeral or decimal point, but do not count braille numeric indicators when determining use of the six spaces in the grid. Do not leave a blank space in the middle of an answer.
4. Fractions cannot be entered into an answer grid and will not be scored. Insert fractions as decimals.

A picture description is inserted as a Transcriber's Note for each answer choice:

- A. Shape: Triangle
- B. Shape: Square
- C. Shape: Hexagon
- D. Shape: Rectangle
- E. Shape: Rhombus
- F. Shape: Pentagon

Last sentence reworded, "Write your answer."

A picture description is inserted as a Transcriber's Note—Picture graph: The title is Jana's Chores. The first column heading is Day and the second column heading is Minutes of Chores. The key shows 1 star equals 5 minutes. The row headings and number of stars for each day are listed below:

Monday 4  
 Tuesday 5  
 Wednesday 4  
 Thursday 6  
 Friday 0

A picture description is inserted as a Transcriber's Note:

Table A: 4 ft x 2 ft  
 Table B: 3 ft x 4 ft  
 Table C: 2 ft x 3 ft

Table D: 4 ft x 3 ft

Part A: Last sentence reworded, "Write your answers and your explanation."

Page 41, #27

A picture description is inserted as a Transcriber's Note:

One square equals one 1 square foot.

Table C: 6 squares arranged in 2 columns and 3 rows

Table D: 12 squares arranged in 4 columns and 3 rows.

Part B: Last sentence reworded, "Write your answer and your explanation."

Page 42, #28

Last sentence reworded, "Write your answer."

Page 43, #29

Transcriber's note—One square equals one square inch. A picture description is inserted as a Transcriber's Note for each answer choice:

A. Picture: 9 squares arranged in 3 columns and 3 rows.

B. Picture: 10 squares arranged in 5 columns and 2 rows.

C. Picture: 12 squares arranged in 3 columns and 4 rows.

D. Picture: 12 squares arranged in 6 columns and 2 rows.

E. Picture: 12 squares arranged in 12 columns and 1 row.

Page 44, #30

Part B: Last sentence reworded, "Write your answer."

Page 45, #32

A picture description is inserted as a Transcriber's Note for each answer choice:

A. Number line: Seventeen tick marks are evenly spaced along the line. The first tick is labeled 0, the ninth tick is labeled 1, and the last tick is labeled 2. Starting at 0, a solid dot is shown on the first tick mark.

B. Number line: Seventeen tick marks are evenly spaced along the line. The first tick is labeled 0, the ninth tick is labeled 1, and the last tick is labeled 2. Starting at 0, a solid dot is shown on the sixteenth tick mark.

C. Number line: Seventeen tick marks are evenly spaced along the line. The first tick is labeled 0, the ninth tick is labeled 1, and the last tick is labeled 2. Starting at 0, a solid dot is shown on the eighth tick mark.

D. Number line: Seventeen tick marks are evenly spaced along the line. The first tick is labeled 0, the ninth tick is labeled 1, and the last tick is labeled 2. A solid dot is shown on the tick mark labeled 0.

Page 46, #33

Transcriber's note—Each answer choice line plot is labeled Length of Leaf (inches). A picture description is inserted as a Transcriber's Note for each answer choice:

A. Line plot: A number line is shown with nine tick marks evenly spaced along the line. The first tick is labeled 5, the fifth tick is labeled 6, and the last tick is labeled 7. The number of Xs placed in a single line vertically above the tick marks are as follows: 3 Xs above the third tick, 1 X above the fourth tick, 2 Xs above the fifth tick, and 4 Xs above the seventh tick.

B. Line plot: A number line is shown with nine tick marks evenly spaced along the line. The first tick is labeled 5, the fifth tick is labeled 6, and the

last tick is labeled 7. The number of Xs placed in a single line vertically above the tick marks are as follows: 1 X above the third tick, 1 X above the fourth tick, 1 X above the fifth tick, and 1 X above the seventh tick.

- C. Line plot: A number line is shown with nine tick marks evenly spaced along the line. The first tick is labeled 5, the fifth tick is labeled 6, and the last tick is labeled 7. The number of Xs placed in a single line vertically above the tick marks are as follows: 2 Xs above the third tick, 4 Xs above the fourth tick, 1 X above the fifth tick, and 1 X above the seventh tick.
- D. Line plot: A number line is shown with nine tick marks evenly spaced along the line. The first tick is labeled 5, the fifth tick is labeled "6," and the last tick is labeled 7. The number of Xs placed in a single line vertically above the tick marks are as follows: 3 Xs above the third tick, 1 X above the fourth tick, 4 Xs above the fifth tick, and 2 Xs above the seventh tick.