

Special Instructions for the
Braille Edition of the
**Grade 4
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. 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 4 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 4, #1

A picture description is inserted as a Transcriber's Note– Rectangle: The width is labeled 9 feet. The length is labeled with a ?.
Last sentence reworded, "Write your answer."

Page 5, #2

Sentence reworded, "Write your answer."

Pages 6-7, #3

A picture description is inserted as a Transcriber's Note– Bar graph: The title is Students with Pets. The horizontal values are labeled Number of Pets and go from 0 to 4. The vertical values are labeled Number of Students and range from 0 to 50 in increments of 2. Starting at 0, every fifth tick mark is labeled in increments of 10. The data is as follows: Students with 0 pets: bar stops between the tick marks for 22 & 24. Students with 1 pet: bar stops between the tick marks for 34 & 36. Students with 2 pets: bar stops at the tick mark for 20. Students with 3 pets: bar stops at the tick mark for 30. Students with 4 pets: bar stops between the tick marks for 8 & 10.

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

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

Part C: Last sentence reworded "Write your explanation, your work, and the total number of pets."

Page 9, #7

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

Part B: Last sentence reworded, "Write your explanation and the correct comparison."

Page 11, #9

Sentence reworded, "Write your answer."

- Page 12, #11 Last sentence reworded, "Write your answer and your work."
- Page 12, #12 Sentence reworded, "Write your answer."
- Page 13 Second bullet reworded, "Then, close your test booklet and raise your hand to turn in your test materials."
- Page 14 Directions revised to read as follows:
Directions:
 Today, you will take Unit 2 of the Grade 4 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 15 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 20, #15 A picture description is inserted for each answer choice as a Transcriber's Note:

- A. an angle that is narrower than a right angle
- B. an angle that is wider than a right angle
- C. an angle that is narrower than a right angle
- D. an angle that is wider than a right angle

Page 22, #18	Part B: Last sentence reworded, "Write your answer and work or explanation."
Page 24, #21	A picture description is inserted as a Transcriber's Note—Numbers: 1, 2, 4, 8, 20, 24, 36, 58, 64, 80
Page 25, #22	<p>A picture description is inserted as a Transcriber's Note—Figure 1: Angle MSG is drawn and the arc is labeled 105°. Rays SK and SP are drawn within angle MSG. Ray SK is closest to ray SM and ray SP is closest to ray SG.</p> <p>A picture description is inserted as a Transcriber's Note—Figure 2: Figure 1 is repeated with incremental angles identified. The arc for angle MSK is labeled 32°. The arc for angle KSP is labeled 44°. The arc for angle PSG is labeled y°.</p>
Page 26	Second bullet reworded, "Then, close your test booklet and raise your hand to turn in your test materials."
Page 28	<p>Directions revised to read as follows:</p> <p>Directions:</p> <p>Today, you will take Unit 3 of the Grade 4 Mathematics Practice Test. You will not be able to use a calculator.</p> <p>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 <u>not</u> be scored.</p> <p>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.</p>
Page 29	<p>Directions revised to read as follows:</p> <p>Answer Grid Items</p> <p>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.</p> <p>Directions for Completing the Answer Grids</p>

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 30, #23 Last sentence reworded, "Write your answer."
- Page 30, #24 Part A: A picture description is inserted as a Transcriber's Note–Number line: Horizontal line with arrows on both ends. Seven tick marks are spaced evenly along the line with the first tick mark labeled 0 and the last tick mark labeled 1. Starting at 0, a solid dot is shown on the 3rd tick mark.
Last sentence reworded, "Write your explanations and your answer."
Part B: Last sentence reworded, "Write your description."
- Page 32, #26 First sentence reworded, "A rectangle is divided into eight equal sections."
A picture description is inserted as a Transcriber's Note–Rectangle: Four columns and two rows
- Page 33, #27 Part A: Last sentence reworded, "Write your explanation."
Part B: Last sentence reworded, "Write your answers and your explanation."
- Page 33, #28 Last sentence reworded, "Write your answer."
- Page 33, #29 Last sentence reworded, "Write your answer."
- Page 35, #31 A picture description is inserted for each answer choice as a Transcriber's Note:
A. Quadrilateral with one right angle
B. Rectangle with four right angles
C. Right triangle with one right angle
D. Hexagon without a right angle
E. Rhombus without a right angle
- Page 36 Second bullet reworded, "Then, close your test booklet and raise your hand to turn in your test materials."