

LESSON 2

- [MORE ABOUT PUNCTUATION](#)
- [PUNCTUATION IN NEMETH CODE](#)
 - [The Punctuation Indicator](#)
- [INTRODUCTION TO SIGNS OF GROUPING](#)
 - [Code-Switching Considerations](#)
 - [Spacing with Signs of Grouping](#)
- [IDENTIFIERS, cont.](#)

Format

- [Keep Together—Hyphenated Expressions](#)
- [Side-by-Side Layout](#)

[Answers to Practice Material](#)

LESSON PREVIEW

The punctuation indicator is introduced as we take a closer look at punctuation inside the switches. Summaries are given regarding the use/nonuse of the punctuation indicator. Nemeth grouping symbols are introduced. Code switching within numbered/lettered formats is discussed. Nemeth rules regarding hyphenated expressions are given. An alternate layout option for itemized material is considered.

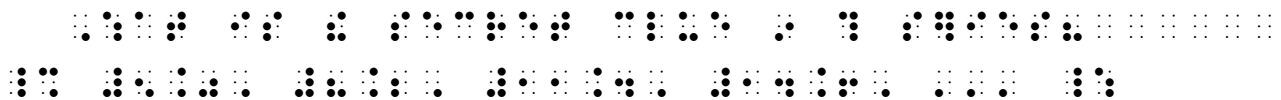
MORE ABOUT PUNCTUATION

2.1 Punctuation Mode

Punctuation mode is determined by whether the punctuation occurs inside or outside of the Nemeth switches. The concept is simple – punctuation that occurs outside of the switch indicators is transcribed in "literary mode" according to the rules of Unified English Braille; punctuation occurring within the switch indicators is transcribed in "mathematical mode" according to the rules of the Nemeth Code. Take another look at this example from Lesson 1, noting that UEB punctuation is used for the question mark and the Nemeth comma and ellipsis are used in the mathematical portion.

Example 2-1

What is the secret clue in this series? 5.0, 8.2, 11.4, 14.6, ...



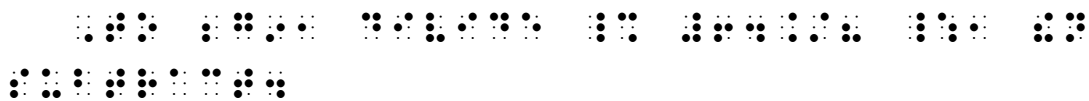
The mathematical comma is dot 6. Switch Decision: The ellipsis indicates that the mathematical series continues and so is transcribed in Nemeth. The mathematical ellipsis is dots (3, 3, 3).

2.2 Spacing of UEB Punctuation and Code Switch Indicators

As shown in Lesson 1, punctuation that relates to the main text is placed outside of the switch indicators when the surrounding text is in UEB. There is no space between the terminator and the following punctuation unless the following punctuation is a spaced dash.

Example 2-2

To begin, divide $64 \div 8$, then subtract.



Note the use of the literary comma (dot 2) outside of the Nemeth Code terminator.

Example 2-3

Divide $64 \div 8$ —then subtract.



The unspaced dash is part of the sentence punctuation and is placed outside of the Nemeth Code terminator.

Example 2-4

Divide $64 \div 8$ — then subtract.

The spaced dash is part of the sentence punctuation and is placed outside of the Nemeth Code terminator. A space precedes and follows the dash, as printed; the space before the Nemeth Code terminator does not represent a space in print.

Example 2-5

We continue ... $8 - 14 = -6$

The ellipsis is part of the sentence punctuation and is placed outside of the opening Nemeth Code indicator. A space precedes and follows the ellipsis, as printed. The space after the opening Nemeth Code indicator does not represent a space in print.

2.3 Nemeth Punctuation

When punctuation occurs within mathematical material, excessive code switching is avoided by using Nemeth punctuation. In the sample below, the Nemeth comma (dot 6) is used within the series even though the comma itself is not mathematical.

$\gg 5+5, \text{ , } \dots$

Example 2-6

Multiplication can be expressed as a series of addition problems: $5 \times 2 = 5 + 5$, $5 \times 3 = 5 + 5 + 5$, $5 \times 4 = 5 + 5 + 5 + 5$, and so on.

1

2

3

4

Line 3: The last comma is placed outside of the switch, as a dot 2 literary comma, because UEB text follows.

Instructions: Consider carefully where to place the code switch indicators and what kind of punctuation to use in these three sentences. Apply 3-1 Nemeth paragraphing.

PRACTICE 2A

72813654, when written as 72 81 36 54, is obviously divisible by 9.

Write these numbers: 3.29, 500, -123, 2,000.88, -250,794. Now add them together.

Is the answer 4.0‰, or is it 4.0%?

PUNCTUATION IN NEMETH CODE

2.4 Background

So far we have looked at punctuation that is unambiguous in mathematical context: the mathematical comma and the short dash. These symbols are different from their UEB counterparts.

- ⦿ ⦿ Mathematical comma
- ⦿ ⦿ ⦿ Short dash

When other punctuation marks are transcribed inside the Nemeth switches, the punctuation symbols from UEB are used: the apostrophe, colon, exclamation point, period, question mark, quotation marks, and semicolon. (*Note:* Only the one-cell "double" quotation marks ⦿ ⦿ and the two-cell "single" quotation marks ⦿ ⦿ ⦿ ⦿ are used inside the Nemeth switches.) When a punctuation mark is not preceded by a space, clarification is required because the symbols are formed with the same braille dots as Nemeth numerals and symbols, as demonstrated in this list.

A semicolon ⦿ ⦿ could be misread in Nemeth as the numeral 2.
A colon ⦿ ⦿ could be misread in Nemeth as the numeral 3.
A period ⦿ ⦿ could be misread in Nemeth as the numeral 4.
An exclamation point ⦿ ⦿ could be misread in Nemeth as the numeral 6.
A question mark ⦿ ⦿ could be misread in Nemeth as the numeral 8.
A closing "double" quotation mark ⦿ ⦿ could be misread in Nemeth as the numeral 0.
A closing "single" quotation mark ⦿ ⦿ ⦿ ⦿ could be misread in Nemeth as a comma and the numeral 0.
An apostrophe ⦿ ⦿ could be misread in Nemeth as a prime sign.

Clarification is achieved by use of the *punctuation indicator*.

The Punctuation Indicator

2.5 Role of the Punctuation Indicator

A punctuation indicator is placed before one or more of the punctuation marks listed in the box on the previous page when such punctuation is not preceded by a space. (A punctuation indicator is not used at the beginning of a braille line or after a space.) Use of the punctuation indicator assures that the braille is read as punctuation and is not misread as a mathematical symbol.

⦿ Punctuation Indicator

Instructions: Here is a list of isolated mathematical items and punctuation marks. Transcribe an opening Nemeth Code indicator in cell 1. Start the list on the next line. Begin each line in cell 1, with any runovers in cell 3. Remain in Nemeth throughout the practice, including the clock time. Place the Nemeth Code terminator on the same line as the last item in the list.

PRACTICE 2B

+ , - ; × , ÷ .

+ 's , - 's , × 's , ÷ 's ; =s , >s , <s .

" :: "

5.1, 6.22, 7.333; \$8.44, \$9.55; \$10.66.

10:45-11:25

-16 > -___ ; 16 < ___ .

\$1,400 < £ ?

5'3" ..., 6'1"—6'2" ..., 7'0".

"8 · 3 = 3 · 8"

2.8 Summary of the Use and Nonuse of the Punctuation Indicator

2.8.1 **Situations That Do Not Require a Punctuation Indicator.** A punctuation indicator is not required before any of the following punctuation marks. In these isolated samples, assume that the technical material continues after what is shown.

a. The mathematical comma never requires a punctuation indicator.

➤ 5.0, ⠠⠠⠠⠠⠠⠠⠠

b. A punctuation indicator is not used before a hyphen or a dash.

➤ 5.5-7.0 ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

➤ \$47,689—2.6% ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

c. A punctuation indicator is not needed if the first character following a space is a punctuation mark or if the punctuation mark begins on a new line.

➤ "+", "-" ⠠⠠⠠⠠⠠⠠⠠ ⠠⠠⠠⠠⠠⠠⠠

- d. In a sequence of punctuation marks following a mathematical expression, the punctuation indicator precedes only the first punctuation mark.

⤿ "=". ⠆ ⠈ ⠆ ⠈ ⠆ ⠈ ⠆ ⠈ ⠆

- e. In the next lesson, another situation where the punctuation indicator is not required will be presented: after a word or abbreviation.

2.8.2 Situations That Require a Punctuation Indicator. A punctuation indicator is required after any symbol of the type listed below when Nemeth has not been terminated and the mark of punctuation is not a comma, hyphen, or dash. In the following isolated samples, assume that the technical material continues after the final punctuation mark.

- a. After a numeric symbol.

⤿ 98.6. ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆

⤿ "4.9" ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆

- b. After a long dash or after an ellipsis.

⤿ 24 = 6 + ____ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆

⤿ 1, 3.1413, ...; ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆

- c. After a general omission symbol.

⤿ 15 ÷ 3 = ?. ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆

- d. After any of the miscellaneous symbols presented so far.

⤿ 100%. ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆

⤿ 48¢? ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆

- e. After a comma, hyphen, or short dash, provided that if these were removed and the space which they occupy were not present, one of the conditions [a-e, above](#), would apply.

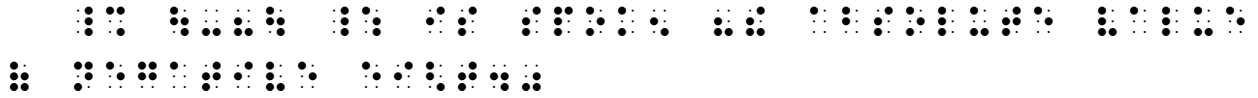
⤿ 3y, " ⠆ ⠆ ⠆ ⠆ ⠆ ⠆

⤿ "\$99—" ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆ ⠆

Other situations where the punctuation indicator is required will be presented later in this course. See also, [Section 2.12.1](#) in this lesson.

Example 2-17

$| -8 |$ is spoken "the absolute value of negative eight."



The numeral -8 is preceded by a grouping symbol; no numeric indicator is needed.

2.10.1 **Identifiers.** Nemeth parentheses are used for the parentheses associated with an identifier that is transcribed inside the code switches.



Lacking a left grouping sign, the numeric indicator is required when the numeral is preceded by a space or begins a braille line.

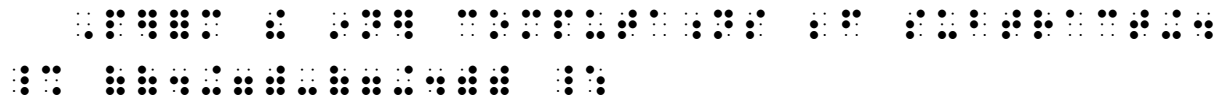


2.11 Nested Grouping Symbols

When two or more grouping signs follow one another the outer set may be printed using a taller size in order to visually distinguish the nested groupings. The braille transcription does not differentiate between the sizes—regular grouping symbols are transcribed.

Example 2-18

Perform the inner computations before subtracting. $((4 + 7) - (7 + 4))$



In print, the first and last parentheses are taller than the others.

Code-Switching Considerations

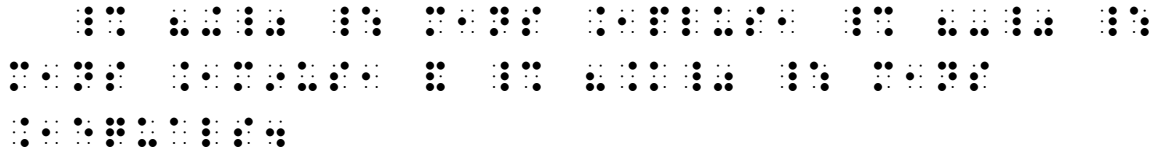
2.12 Enclosed Technical Material

When parentheses, brackets, braces, or quotation marks enclose a Nemeth symbol or expression, the paired punctuation is transcribed inside the code switches.



Example 2-19

"+" means *plus*, "-" means *minus*, and "=" means *equals*.



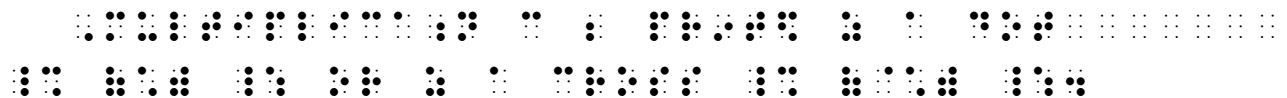
A punctuation indicator must be inserted before each closing quotation mark.

- a. Recall that many UEB punctuation symbols can be used inside of the code switches (a period, a semicolon, a colon, to name a few). UEB parentheses, brackets, and braces do not fall into this category. Inside the switches, Nemeth grouping symbols are transcribed even when the sign has no mathematical meaning.



Example 2-20

Multiplication can be printed as a dot (·) or as a cross (×).



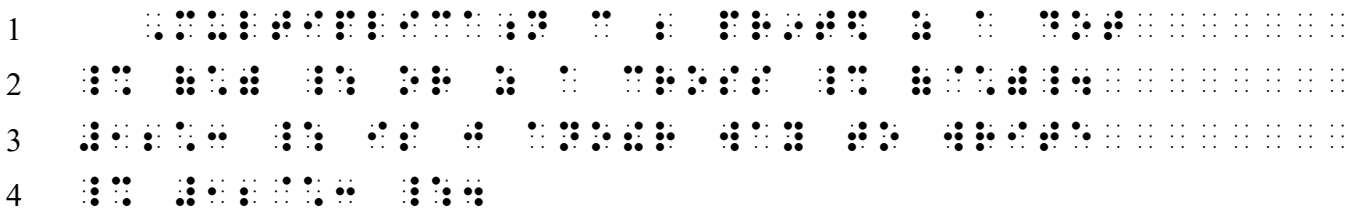
Nemeth parentheses are used inside the switches even when they do not function as mathematical symbols.

- 2.12.1 Punctuation Following a Sign of Grouping.** Nemeth grouping symbols are punctuated mathematically. A mathematical comma (dot 6) is used; a punctuation indicator is required before other punctuation marks except the hyphen and the dash.



Example 2-21

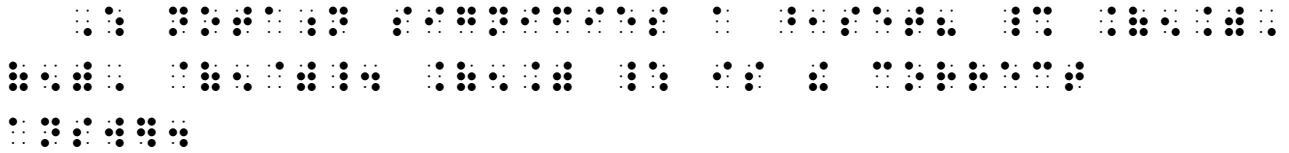
Multiplication can be printed as a dot (·) or as a cross (×). 12 · 3 is just another way to write 12 × 3.



Line 2: A punctuation indicator must be inserted before the first period because Nemeth is not terminated between the first and second sentence.

Example 2-22

Which notation signifies a **set**? {5}, (5), [5]. {5} is the correct answer.



The mathematical comma (dot 6) is used following the first two grouping symbols. A punctuation indicator must be inserted before the first period because Nemeth is not terminated between the first and second sentence.

2.13 Paired Parentheses and Brackets

Paired grouping symbols must be transcribed in the same code. When parentheses or brackets are functioning as punctuation enclosing Nemeth material the Nemeth symbols are used. However, when paired parentheses or brackets enclose a phrase which begins or ends in UEB the punctuation is transcribed in UEB in order to match. Look carefully at the placement of code switch indicators in [Examples 2-23](#) and [2-24](#).

Example 2-23

(\$1.01 is the correct answer.)



To transcribe both opening and closing parentheses in UEB, the opening Nemeth Code indicator is placed just inside the opening UEB parenthesis.

Example 2-24

[The answer is 99¢]



To transcribe both opening and closing brackets in UEB, the Nemeth Code terminator is placed just inside the closing UEB square bracket.

Spacing with Signs of Grouping

2.14 Spacing Inside of the Grouping Signs

Unless other rules apply, no space is left between an opening or a closing sign of grouping and the material which it contains.

$$\begin{aligned} &\gg [-4] && \dots \dots \dots \dots \dots \dots \\ &\gg (12\phi) && \dots \dots \dots \dots \dots \dots \end{aligned}$$

Example 2-25

Kate has twelve pennies (12¢).

$$\dots \dots$$

Recall that a numeric indicator is not needed when a number is preceded by a grouping symbol.

This spacing rule also applies to a symbol which usually requires spacing—no space is left between a dash, an ellipsis, a sign of comparison, or any other symbol and its grouping sign.

$$\begin{aligned} &\gg (_)(x) = 4x && \dots \dots \dots \dots \dots \dots \dots \dots \dots \dots \dots \dots \\ &\gg || \dots || && \dots \dots \dots \dots \dots \dots \dots \dots \\ &\gg (<, =, >) && \dots \dots \dots \dots \dots \dots \dots \dots \end{aligned}$$

Example 2-26

Circle the correct comparison sign. $14 \div 7 (<, =, >) 14 - 7$

$$\dots \dots$$

2.14.1 **Special Case.** When a space is printed between an opening and a closing sign of grouping and that blank space does not represent an omission, the space between the grouping signs is included in the braille transcription.

Example 2-27

Angle brackets $\langle \rangle$ denote a sequence.

$$\dots \dots$$

Context will help you determine whether the print sign is an angle bracket or a "less than" or a "greater than" symbol.

2.15 Spacing Outside of the Grouping Signs

The spacing before and after a grouped expression is subject to the spacing rules for the signs which precede or follow the grouping.

Example 2-28

Perform the multiplication before the addition. $(4 \times 30) + (4 \times 2) = 128$

Braille representation of $(4 \times 30) + (4 \times 2) = 128$. The equation is written in Braille with appropriate spacing for multiplication and addition signs.

Operation signs are unspaced; comparison signs are spaced.

Example 2-29

Complete the missing values in the range (0.1) ... (0.9)

Braille representation of the range (0.1) ... (0.9). The ellipsis is spaced.

The ellipsis is spaced.

- a. No space is left between a grouped expression and a numeral when these items are part of the same expression unless other spacing rules apply. These items often appear to be spaced in print.

Example 2-30

Does $5(9 + 7) = (5 \cdot 9) + 7$?

Braille representation of the equation $5(9 + 7) = (5 \cdot 9) + 7$.

In print, the first 5 is spaced away from the following left parenthesis. There is no space in braille.

- b. No space is left between a grouped expression and another sign of grouping when these items are part of the same expression unless other spacing rules apply. These items often appear to be spaced in print.

Example 2-31

Multiply, then add. $[(3) (-1)] + [(1) (-3)]$

Braille representation of the equation $[(3) (-1)] + [(1) (-3)]$.

Instructions: Format each line or sentence in print as a 3-1 paragraph in braille.

PRACTICE 2C

Is $3(-2.5) + (-4)$ the same as $3(-2.5 + (-4))$?

Use a number line to illustrate this addition problem: $[-4 - (-1)] + [-1 - (-3)]$.

$$7 + (-3) + (-4) = ?$$

$$8 + |(-2) + (-3)| = ?$$

$$|2(-7.5)| + 3.2(2) = ?$$

The **multiplicative identify** [*sic*] property is illustrated: $(83)(1) = 83$.

A **unit set** is a set containing only one element. For example, $\{9\}$ is a unit set containing the element "9".

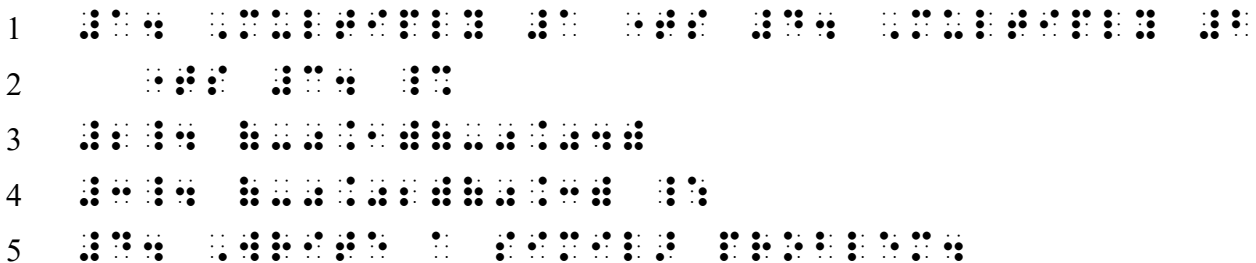
What is the meaning of the symbol "||" in "The answer is ||3.1||"?

A finite decimal (such as 0.152) is one that stops, whereas an infinite decimal (such as 0.9999...) repeats indefinitely.

- Line 1: The text ends in cell 40.
 Line 2: The opening Nemeth Code indicator is placed in the runover cell of the paragraph (cell 1).
 Line 3: A blank line precedes the itemized format.
 Line 4: The identifier is in Nemeth.
 Line 5: Nemeth continues, and is terminated at the end of the line.

Example 2-36

1. Multiply 1 times 4. Multiply 2 times 3.
2. $(-0.1)(-0.04)$
3. $(-0.02)(0.3)$
4. Write a similar problem.

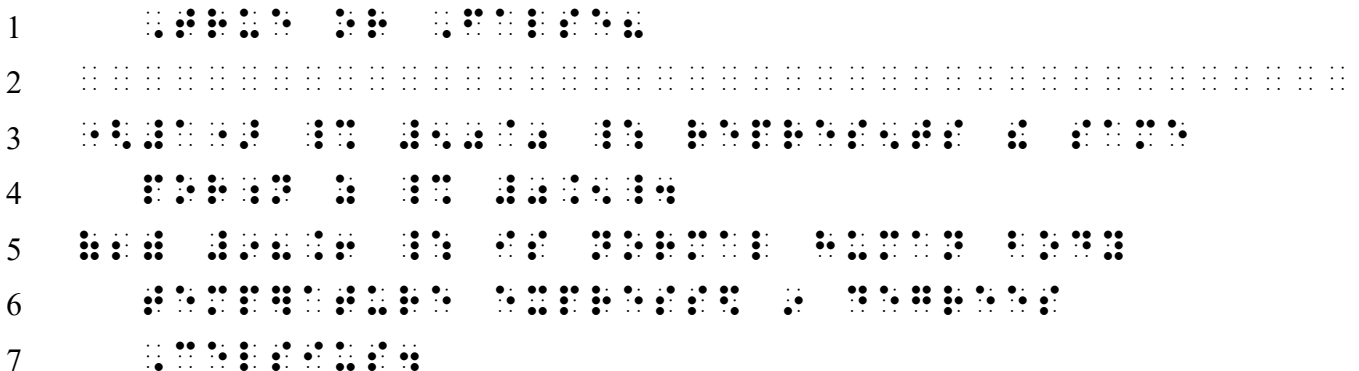


- Line 1: The sentence is entirely in UEB.
 Line 2: The opening Nemeth Code switch indicator is placed at the end of the sentence because more than one Nemeth item follows.
 Line 3: The identifier is in Nemeth.
 Line 4: Nemeth continues and is then terminated before proceeding to the next item, which is in UEB.

- c. *Nemeth Continues.* When only an identifier comes between two Nemeth items, avoid excessive code switching by transcribing the identifier in Nemeth.

Example 2-37

- True or False?
 (1) 50% represents the same portion as 0.5.
 (2) 98.6 is normal human body temperature expressed in degrees Celsius.



2.17 Code Switching with Unitemized Listed Nemeth Items

This topic is not addressed in the Nemeth Code. In the lesson exercises, please follow these guidelines when switching codes before or after a list of unitemized Nemeth items.

- 2.17.1 **A List of Nemeth Items in One Column.** Place the opening Nemeth Code indicator in cell 1 on a line by itself. Begin the list on the next line. Place the Nemeth Code terminator following the last Nemeth item, at the end of that line if room allows. If there is not room on the line, place the closing switch in the runover position. This layout was demonstrated in Practice 2B.
- 2.17.2 **A Multi-Column List of Nemeth Items.** Place the opening Nemeth Code indicator in cell 1 on a line by itself. Begin the list on the next line. Place the Nemeth Code terminator on the line following the multi-column list, in cell 1. This layout was demonstrated in Exercise 1.
- 2.17.3 **A Bulleted List.** The bullet symbols can be transcribed in either code. There is no need to switch out of Nemeth in order to transcribe a bullet.

Example 2-40

- $1 + 6 = 7$
- $2 + 5 = 7$
- $3 + 4 = 7$

1 ⠠⠠

2 ⠠⠠ ⠠⠠⠠⠠ ⠠⠠⠠ ⠠⠠⠠

3 ⠠⠠ ⠠⠠⠠⠠ ⠠⠠⠠ ⠠⠠⠠

4 ⠠⠠ ⠠⠠⠠⠠ ⠠⠠⠠ ⠠⠠⠠ ⠠⠠⠠

- 2.17.4 **A List with a Heading.** Code switching after a heading will be discussed in Lesson 4.


2.20 Identifiers and Braille Page Turns


In this course we follow the *Braille Formats* guideline that an itemized problem should not be divided between braille pages. Be careful not to leave an identifier standing alone at the bottom of a braille page.


2.20.1 **Print Page Number Interference.** A math expression may begin in the runover cell of the line following the identifier (line 2) if the space taken up by the print page number on line 1 will not allow it to fit there. Keeping the math expression together on one braille line takes precedence.


Example 2-44 |

11. Define "comparison sign".
12. $14 \div 7 (<, =, >)$ $14 - 7$

24 

25 

1 

2 

Line 25: Item 12 and its math expression will not fit on this line because line length is restricted to 34 cells due to the 2-digit braille page number. Although the identifier will fit, it must not stand alone at the bottom of the page.

Line 1: Item 12 and its math expression will not fit on this line because line length is restricted to 33 cells due to the print page number. The identifier is placed on line 1.

Line 2: The math expression and its two code switch indicators will fit on one line and so are placed here, starting in the runover cell (cell 3).

For further practice, see Addendum 1—Reading Practice.

Submit Exercise 2 to your instructor.

BLANK PAGE

PRACTICE 2C

1 ⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠ ⠠⠠⠠⠠⠠ ⠠⠠

2 ⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠⠠⠠

3 ⠠⠠⠠⠠⠠ ⠠ ⠠⠠⠠⠠⠠⠠⠠ ⠠⠠⠠⠠ ⠠⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠

4 ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

5 ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠

6 ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠

7 ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠ ⠠⠠ ⠠⠠

8 ⠠⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

9 ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

10 ⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠⠠⠠ ⠠⠠⠠⠠

11 ⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

12 ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

13 ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

14 ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

15 ⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

16 ⠠⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

17 ⠠⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

18 ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

19 ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

PRACTICE 2D

1 ⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

2 ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠ ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

3 ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠

4 ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠