

T3 Braille Teacher's Guide Module 1 (Tracking)

Version 1 (July 2022)

T3 was developed by Touch Graphics Inc in collaboration with

- IDeA Center-University of Buffalo School of Architecture
 - Smith-Kettlewell Eye Research Institute
 - Exceptional Teaching Inc

T3 research and development funding by National Institute of Disability, Independent Living and Rehabilitation Research (NIDILIRR), a component of the Administration for Community Living (ACL), US Department of Health and Human Services (HHS)

Award No. 90BISB0012-01-00



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Progress Honors

Awards, permits and badges

Sheet B1T-1

This is a T3 Braille sheet but not one that works on the tablet. Please ask your teacher about special non-T3 Braille activities that you can do with this sheet.

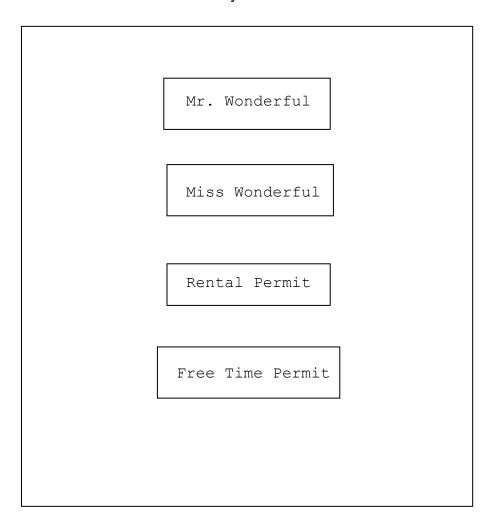
The Smart Fingers
Award For
Hard Work

Leaf Me Alone For
15 Minutes.

Outstanding Progress
In Reading

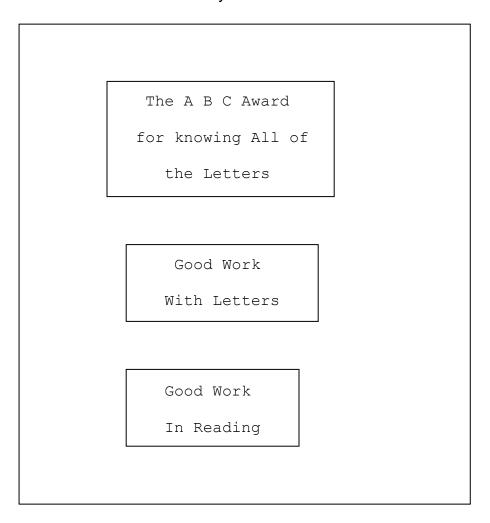
To the Teacher:

This is a T3 Braille sheet but not one that works on the tablet. Please ask your teacher about special non-T3 Braille activities that you can do with this sheet.



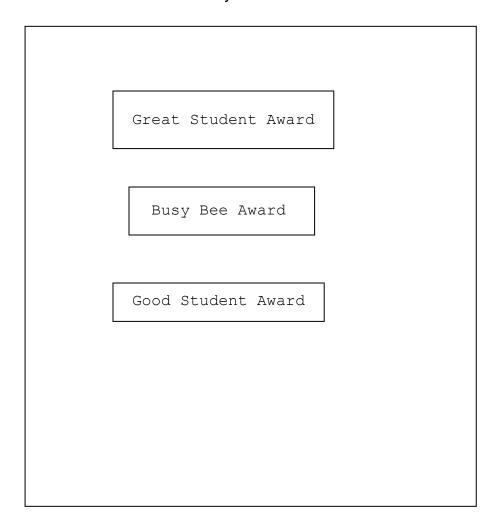
To the Teacher:

This is a T3 Braille sheet but not one that works on the tablet. Please ask your teacher about special non-T3 Braille activities that you can do with this sheet.



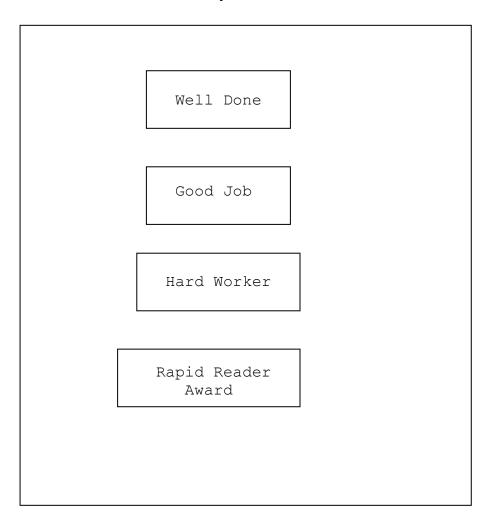
To the Teacher:

This is a T3 Braille sheet but not one that works on the tablet. Please ask your teacher about special non-T3 Braille activities that you can do with this sheet.



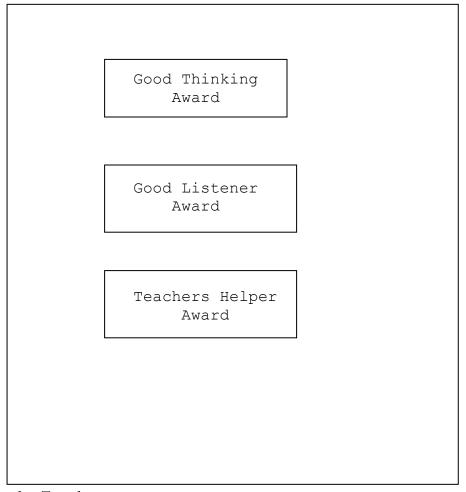
To the Teacher:

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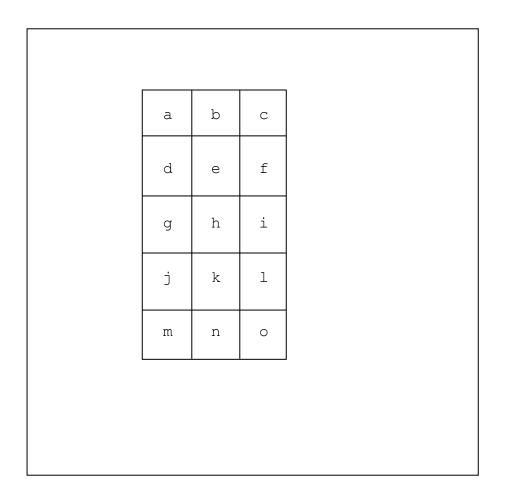
To the Teacher:

Flashcards

The Letters of the Alphabet

Sheet B1T-7

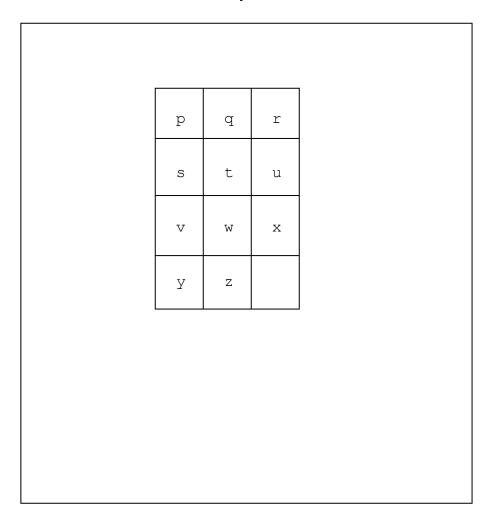
This is a T3 Braille sheet but not one that works on the tablet. Please ask your teacher about special non-T3 Braille activities that you can do with this sheet.



To the Teacher:

Braille sheets 7 and 8 contain the letters of the alphabet. The squares may be cut out and used as flash cards throughout the entire program. Remember that braille letters, when inverted, usually become another letter. Indicate the top of each card by either pinking the entire top edge of each card with pinking shears, or by cutting off the upper right hand corner of each card. Place the appropriate print letter above each braille letter before cutting out the flash cards. If you are not absolutely certain of the braille letters yourself, you may press on the letter to hear it named.

This is a T3 Braille sheet but not one that works on the tablet. Please ask your teacher about special non-T3 Braille activities that you can do with this sheet.



To the Teacher:

Braille sheets 7 and 8 contain the letters of the alphabet. The squares may be cut out and used as flash cards throughout the entire program. Remember that braille letters, when inverted, usually become another letter. Indicate the top of each card by either pinking the entire top edge of each card with pinking shears, or by cutting off the upper right hand corner of each card. Place the appropriate print letter above each braille letter before cutting out the flash cards. If you are not absolutely certain of the braille letters yourself, you may press on the letter to hear it named.

Lesson 1

Tracking from left to right across like symbols that follow closely without a space.

- ✓ This lesson includes braille sheets 9-28.
- ✓ Do not refer to letters by name in this lesson.
- ✓ Emphasize whether lines are fat or thin or long or short.
- ✓ Braille sheets 9-21 provide practice using two hands together.
- ✓ The method for using each hand independently begins on braille sheet 22.
- ✓ You may need to take the student's hands and help him get started on the first few sheets.

Sheet B1T-9

Test. You will not be told if you are right or wrong, but you will hear a beep, each time you press on the sheet. The timer begins with your first press, and ends when you finish the sheet and swipe right.

Activity: Press on the braille at the beginning, and the end of every line. Then swipe right to hear your score.

cccccccccccccccc

adadadadadadadadad

cccccccccc

aaaaaaaaaaaaaaaaaaa

iiiiiiiiiiiiiiiiiiiii

111111111

YYYYYYYYYYYYYYYY

aaaaaaaaaaaaaaaaaaaa

adadadadadadadadada

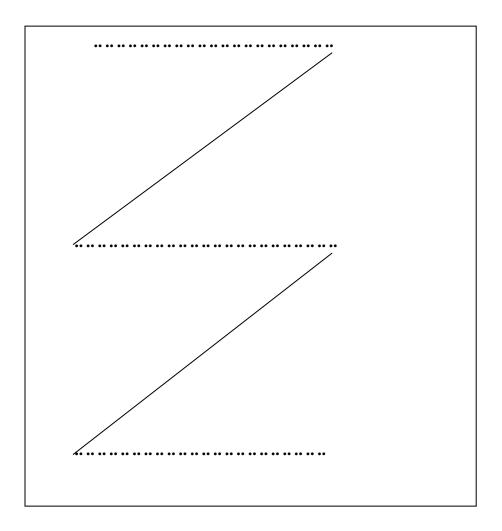
Activity: Press on the braille at the beginning and the end of every line. Then swipe right.

To the Teacher:

Position the student's hands so that all fingers are resting lightly on the sheet. Help the student find the left end of the top line. Help the student track across the line until the right end of the line is reached. Show how to retrack across the same line until the left end is reached again. Now help track down the vertical line until the beginning of the second line is found. Each line on the sheet should be tracked in the same way. Emphasize "Beginning" and "End" of the line and "Top" and "Bottom" of the sheet. Do this several times until the student's hands move smoothly.

Your teacher will show you a short cut from the end of one line to the beginning of the next.

Activity: Press on the braille at the beginning and the end of every line. Then swipe right.



To the Teacher:

Help the student track from left to right until the right end of the top line is found. Now tell the student to take a shortcut to the next line. Help the student track along the diagonal line until the beginning of the next line is found. Let the student track the rest of the sheet, unassisted if possible. Repeat until the student can do it smoothly unassisted.

Activity	v. Press	lightly	on the	hraille	at the	beginning	and	end of	everv	line	Then	swine	riaht
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Activity: Go as fast as you can. Press lightly on the braille at the beginning and end of every line. Then swipe right.

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Activity: Press on the braille at the beginning and end of every line. Then swipe right.

aaaaaaaaaaaaaaaaaaa

adadadadad

ccccccccccccc

iiiiiii

fffffffffff

cccccccccccccccc

adadadadadadadada

dddddddddddddddddddddddd

aaaaaaa

Activity: Press on the braille at the beginning and end of every line. Then swipe right.

SSSSSSSSSSSSSSSSS

cccccccccc

aaaaaaaaaaaaaaaaaaaa

nnnnnnnnnnnnnnnnnnnnnnnn

eeeeeeeeeeeeee

aaaaaaaa

cccccccccccccccccccc

You will find funny little shapes on each line. Let's call them boxes.

Activity: Track each line and press on every box on the sheet. Then swipe right.

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Activity: Track each line and press on every box on the sheet. Then swipe right.

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Activity: Count the boxes on each line. Press at the end of every line that has only one box. Then swipe right.

:

Activity: Count the boxes on each line. Press at the end of every line that has exactly 2 boxes. Then swipe right.

•	•	••	•	•	••	:	:	••	••	••	••	•••	••	••	••	••	••	∷	••	••	••	••	••	••	••	••					
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Activity: Count the boxes on each line. Press at the end of every line that has exactly 3 boxes. Then swipe right.

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Activity: Count the boxes on each line. Press at the end of every line that has exactly 4 boxes. Then swipe right.

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Your teacher will show you a new way to move your hands.

Activity: Press on the first braille that you find on the left side of the sheet then press on the last braille on the right side of the sheet. Do all the lines the same way. Then swipe right.

aaaaaaa	laaaaaa	aaaaaaaaaaaa	
cccccc	ccccc	cccccccccc	
cccccc	ccccc	cccccccccc	
gagagag	ıdddddd	cccccccccc	
=====		aaaaaaaaaaaa	
=====	=====	bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb	
=====		bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb	

To the Teacher:

This exercise will teach a student to use each hand independently. Some students are ready to use their hands independently as soon as they begin reading braille. Other students use both hands together for a long time before they can easily use their hands independently. If on sheet 22, the student becomes frustrated or begins to skip lines, remove sheets 22-27 and place them at the end of Readiness for Reading, Part 1 for later use.

T3 Braille Teacher's Guide

Activity: Press on the first braille that you find on the left side of the sheet then press on the last braille on the right side of the sheet. Do all the lines the same way. Then swipe right.

aaaaaaaaaaaa	aaaaaaaaaaa
cccccccccc	aaaaaaaaaaa
cccccccccc	aaaaaaaaaaa
aaaaaaaaaaaa	cccccccccc
aaaaaaaaaaaa	cccccccccc
aaaaaaaaaaaa	cccccccccc
aaaaaaaaaaaaa	cccccccccc
aaaaaaaaaaaa	cccccccccc
	aaaaaaaaaaa
	bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
=========	bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb

Your teacher will show you how to use both hands.

Activity: Press on the first braille that you find on the left side of the sheet then press on the last braille on the right side of the sheet. Do all the lines the same way. Then swipe right.

aaaaaaaaaaaa	=======
dddddddddd	aaaaaaaaaaa
cccccccccc	cccccccccc
aaaaaaaaaaaa	aaaaaaaaaaa
========	kkkkkkkkkkkk
1111111111111	1111111111111
kkkkkkkkkkkk	bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
ffffffffffff	hhhhhhhhhhhh
dddddddddddd	fffffffffff
: زنزززززززززز	ffffffffffff
hhhhhhhhhhhhh	ززززززززززز

This sheet is almost like sheet 24 but there is no line down the middle.

========	111111111111
adadadadadada	111111111111
aaaaaaaaaaaa	kkkkkkkkkkkk
cccccccccc	kkkkkkkkkkkk
cccccccccc	111111111111
bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb	bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
bbbbbbbbbbbb	cccccccccc
cccccccccc	aaaaaaaaaaa
aaaaaaaaaaaa	adadadadadad
bbbbbbbbbbbb	111111111111
cccccccccc	kkkkkkkkkkkk

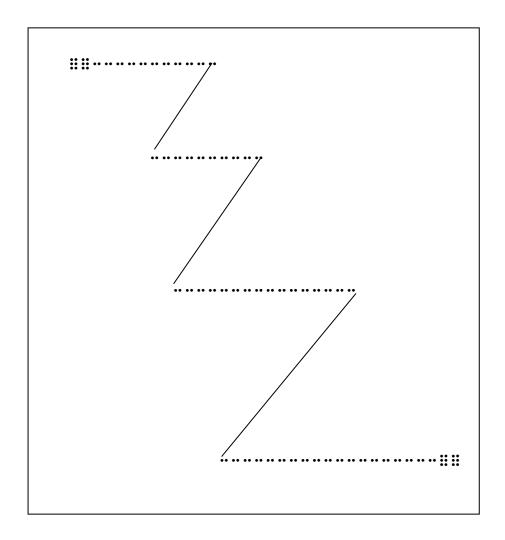
aaaaaaaaaaaa	========
bbbbbbbbbbbbb	aaaaaaaaaaaa
cccccccccc	cccccccccc
aaaaaaaaaaaa	aaaaaaaaaaaa
========	kkkkkkkkkkkk
1111111111111	1111111111111
kkkkkkkkkkkk	bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
ffffffffffff	hhhhhhhhhhhh
dddddddddddd	ddddddddddd
: زززززززززززز	ffffffffffff
hhhhhhhhhhhhh	زززززززززززز

Here is more practice using both hands.

aaaaaaaaaaaa	========
dddddddddd	adadadadadad
cccccccccc	cccccccccc
aaaaaaaaaaaa	aaaaaaaaaaaa
========	kkkkkkkkkkkk
1111111111111	1111111111111
kkkkkkkkkkkk	bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
ffffffffffff	hhhhhhhhhhhhh
dddddddddddd	ddddddddddd
: زززززززززززززز	ffffffffffff
hhhhhhhhhhhhh	زززززززززززز

Have fun playing the Zigzag Game.

Activity: Press on the first full cell at the top of the sheet to start the timer. Press down every time you stop to change direction. Press at the end of the last line. Swipe right to hear your score.



Lesson 2

Tracking from left to right across unlike symbols that follow closely without a space.

- ✓ This lesson includes braille sheets 29-34.
- ✓ Do not refer to letters by name in this lesson.

Sheet B1T-29

Test. You will not be told if you are right or wrong, but you will hear a beep, each time you press on the sheet. The timer begins with your first press, and ends when you finish the sheet and swipe right.

Activity: Press on the braille at the beginning and end of every line. Then swipe right to hear your score.

```
dfyxprihtvajlghobckymsdpr
azbycxduetfsguhqitjlsbccewnoh
nobdlpuywertvbia
cwgnpklzovdghurtsmxtwe
gxviprtdhnzxaepmijk
cdfxwgviox
ceiymhcdeywpxqdal
cnqrtvwxejewbloqyxznr
cxbwxvnloqdfgtozb
ajqysrt
bdvsrxzlbdejolpuzvarnebjhk
```

T3 Braille Teacher's Guide

Activity: Press on the braille at the beginning and end of every line. Then swipe right. Go as fast as you can.

xponbejkswlnbfgtubjrtoykr
ajlyznlkabdbxvurt
sjthyioujtvulmzoh
xcdhjrsuvtrjehjlmoqyvtlbde
hkmnojhuvbcdkrtzvx
tylmnzyxdkmejbtrvsuxyrree
ubcxdlefsthuirjtkolp
ghklmnrjklzmxtnccejtyghxopp
bsdxaqerdwxefngohth
bczrdflngoihxuvhilj

Activity: Press on the braille at the beginning and end of every line. Then swipe right.

tubjlnrojlnqrtvymojcddii
krtzsmoqzykqrdgnvreekk
clbjhqtrbzylop
cefjlzynostjmotrspekisba
cdegtvyuojhkdcljmnrt
ghijbcdjhbcdeibcfjcdciab
styjopeecywbvcxdyfgkl
stprejqhrituvwxymn
bcdewxgrsdfqetzvsjfwx
rbcstdghjkxknktveeffggh

atdgfibjlopam	ehknqasrcvizu
vawtgdfrlspam	uzapoljbifgdt
mapoljbifgdta	uzivcrsaqnkhe
tdgfibjlopazu	mapslrfdgtwal
atdgfibjlopam	ehknqasrcuizu
mapoljbifgfta	tdgfibjlopazu
uzapoljbifgdt	vawtgdfrlspam
mapslrfdgtwal	atdgfibjlopam
ehknqisrcvizu	uzapoljbifgdt
tdgfibjlopazu	vzapoljbifgdt

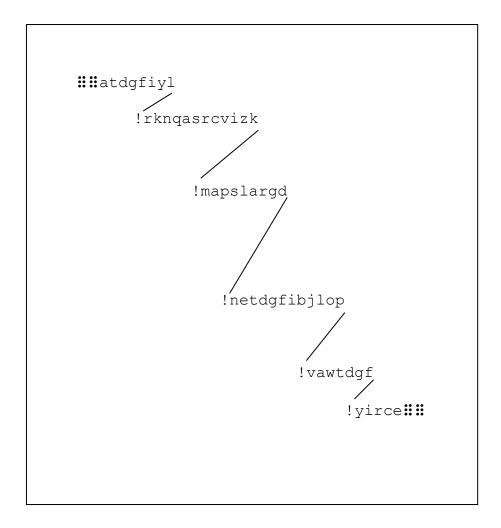
Your teacher will show you how to use both hands.

Activity: Press on the first braille that you find on the left side of the sheet then press on the last braille on the right side of the sheet. Do all the lines the same way, and then swipe right.

atdgfibjlopam	ehknqasrcvizu
vawtgdfrlspam	uzapoljbifgdt
mapoljbifgdta	uzivcrsaqnkhe
tdgfibjlopazu	mapslrfdgtwav
atdgfibjlopam	ehknqasrcuizu
mapoljbifgdta	tdgfibjlopazu
uzapoljbifgdt	vawtgdfrlspam
mapslrfdgtwav	atdgfibjlopam
ehknqisrcvizu	uzapoljbifgdt
tdgfibjlopazu	vzapoljbifgdt

Another Zig Zag Game

Activity: Press on the first full cell at the top of the sheet to start the timer. Press down every time you stop to change direction. Press at the end of the last line. Swipe right to hear your score.



Lesson 3

Tracking from left to right across like symbols that have one or two spaces between them.

- ✓ This lesson includes braille sheets 35-43.
- ✓ Do not refer to letters by name in this lesson.

Sheet B1T-35

Test. You will not be told if you are right or wrong, but you will hear a beep, each time you press on the sheet.

Activity: Go as lightly and as fast as you can. Press on the braille at the beginning and end of every line. Swipe right to check your score.

Activity: Go as fast as you can. Press on the braille at the beginning and end of every line. Then swipe right.

Activity: Track each line and press on every box on the sheet. Then swipe right.

Activity: Track each line and press on every box on the sheet. Then swipe right.

Activity: Press on the braille at the beginning of every line. Then swipe right.

Activity: Press on the braille at the end of every line. Then swipe right.

Activity: Move lightly and press on the braille at the beginning of every line. Then swipe right.

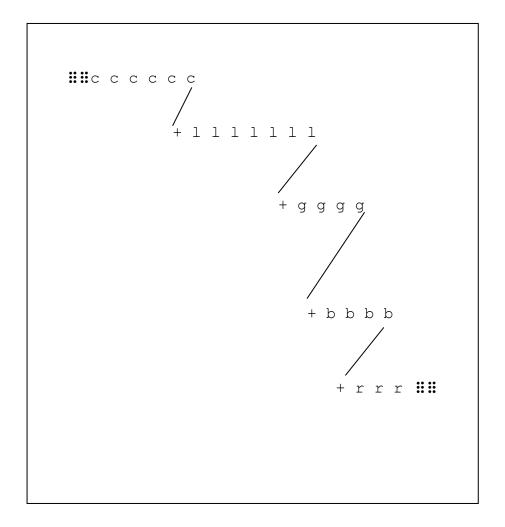
С	С	С	С	С	С	С					
С	С	С	С	С							
С	С	С	С	С	С						
С	С										
С	С	С	С	С	С	С	С	С			
С	С	С	С	С	С	С					
С	С	С	С	С							
С	С	С									
С	С	С	С	С	С	С	С	С	С		
С	С	С	С	С	С						
С	С	С		C		С	С	С	С		

Activity: Move lightly and press on the braille at the end of every line. Then swipe right.

```
a a a
   a a
      1
        1
          1 1
  i
    i
      i i i i
    f
  f
    C C C
          C C C
  g
    g
      g
          g
b
 b
   b b b b b b b
   аааааа
  g
g
```

Let's Zig Zag Again

Press on the first full cell at the top of the sheet to start the timer. Press down every time you stop to change direction. Press at the end of the last line. Swipe right to hear your score.



Lesson 4

Tracking from left to right across like symbols that have one or two spaces between them.

- ✓ This lesson includes braille sheets 44-48.
- ✓ Do not refer to letters by name in this lesson.

Sheet B1T-44

Test. You will not be told if you are right or wrong, but you will hear a beep, each time you press on the sheet.

Activity: Press lightly on the braille at the beginning and end of each line. Then swipe right.

```
brstyxdmnxizp
ljrsaeqrxyopm
stbjrsnuo
clmqrsyxqto
ejapwejky
bxopqrtjyzbal
a stpryibc
sydaxbhjl
ybsoe
rtcdxopu
cyoqst
```

Activity: Press on the braille at the beginning and end of every line. Then swipe right.

```
l g e f m o p l a b c y z e

l g c e y z b s q o i i e a

a g o m b s c = f d

a b a g a m o a y p

g l b u o e i a d

c l y m

y b s r u d i

z a c e = q c

b g h i c q x p u f g m

l a g o m b u y s
```

Activity: Zoom lightly across the empty spaces. Press on the braille at the beginning and end of every line. Then swipe right.

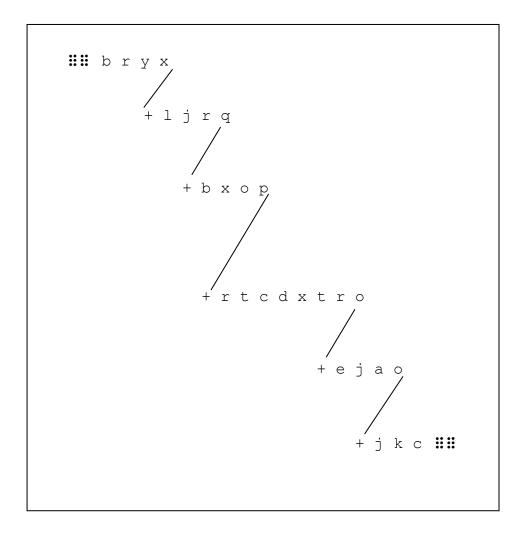
```
b
   1
                 i
          d
             m
                     u
       1
          0
              u
                     р
          f
                         i
r
   р
       d
              u
                     S
                            0
          t
              j
                  0
                     m
                         р
          j
f
       t
              h
   t
       u
          j
              е
                  t
                     r
                         У
Х
   а
       е
          р
              q
                  S
                     u
                         n
                            q
          b
              1
                  k
                               q
          h
             t
       р
```

Activity: Press on the braille at the beginning of the first line, track all the lines and press on the braille at the end of the last line. Then swipe right.

```
aghistvxr
typeujqsnooyl
bejirstyz
tvxymnbjekjlqs
  j
          f
      У
                v q
 m
   a b
       V
           X
  1
    m
     n
       0
          x =
j
      р
  d j
      r
       S
         р
```

Zig Zag Game

Press on the first full cell at the top of the sheet to start the timer. Press down every time you stop to change direction. Press at the end of the last line. Swipe right to hear your score.



Lesson 5

Tracking from top to bottom over like symbols that follow closely.

- ✓ This lesson includes braille sheets 49-59.
- ✓ Do not refer to letters by name in this lesson.

Sheet B1T-49

Your teacher will show you a way to track down lines that are columns.

Test. You will not be told if you are right or wrong, but you will hear a beep, each time you press on the sheet.

Activity: Press on the braille at the top and bottom of each column. Then swipe right to hear your score.

corc.			
1	g	С	
1		С	
1	g	С	
1 1 1	g	С	
	à à à	С	
	g	С	
1	9999999	С	
1	g	С	
1	g	С	
1	g	С	
1	g	С	
1	g	С	
1	g	С	
1	g	С	
1	g	С	
1	a a a	С	
1	g	С	
1 1	g	С	
1	g	С	
1	g	С	
1	g	С	

To the Teacher:

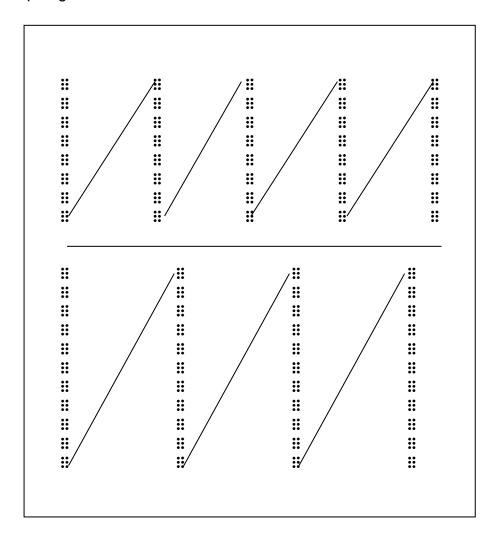
Correct Hand Position. Have the student place both index fingers at the top of the first vertical line. The index finger of the dominant reading hand should move down the column first, directly followed by the other index finger. The remaining portion of the right hand should contact the sheet on the right side of the vertical line. The remaining portion of the left hand should contact the sheet on the left side of the vertical line.

There is a line all the way across the middle of the sheet, from left to right, separating the activities.

There are 2 activities on this sheet.

Activity 1. Press lightly on the braille at the top of the first column. Move down and press on the braille at the bottom of the column. Follow the single dots up to the top of the next column. Continue tracking and pressing the top and bottom of each of the columns on the top half of the sheet. Then swipe right.

Activity 2. The columns, on the bottom half of the sheet, are taller than the columns on the top half of the sheet. Track and press these columns the same as you did the top half of the sheet. Then swipe right.

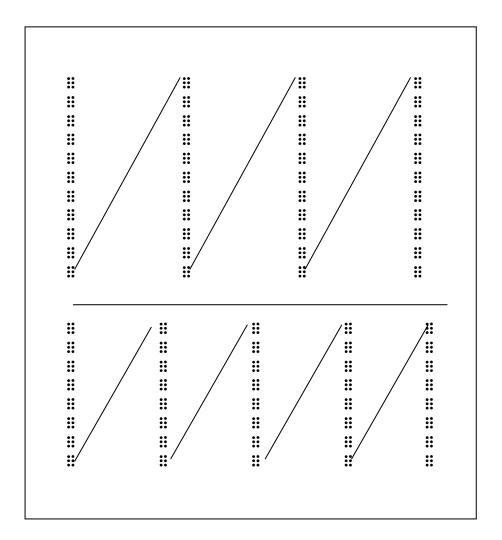


There is a line all the way across the middle of the sheet, from left to right, separating the activities.

There are 2 activities on this sheet.

Activity 1. Press lightly on the braille at the top of the first column. Move down and press on the braille at the bottom of the column. Follow the single dots up to the top of the next column. Continue tracking and pressing the top and bottom of each of the columns on the top half of the sheet. Then swipe right.

Activity 2. The columns, on the bottom half of the sheet, are shorter than the columns on the top half of the sheet. Track and press these columns the same as you did the top half of the sheet. Then swipe right.

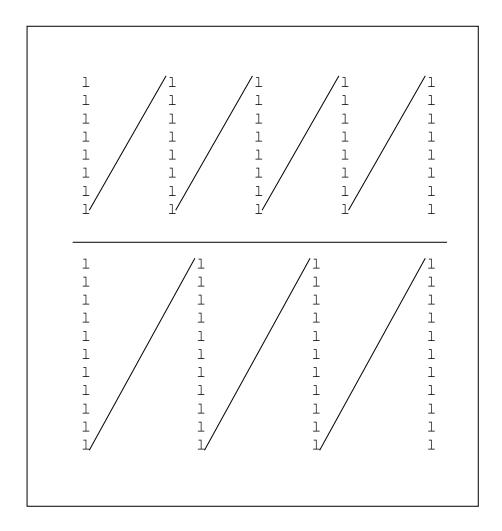


There is a line all the way across the middle of the sheet, from left to right, separating the activities.

There are 2 activities on this sheet.

Activity 1. Press lightly on the braille at the top of the first column. Move down and press on the braille at the bottom of the column. Follow the single dots up to the top of the next column. Continue tracking and pressing the top and bottom of each of the columns on the top half of the sheet. Then swipe right.

Activity 2. The columns, on the bottom half of the sheet, are taller than the columns on the top half of the sheet. Track and press these columns the same as you did the top half of the sheet. Then swipe right.



Activity: Move as quickly and lightly as you can. Press on the braille at the top and then the bottom of each column. Then swipe right.

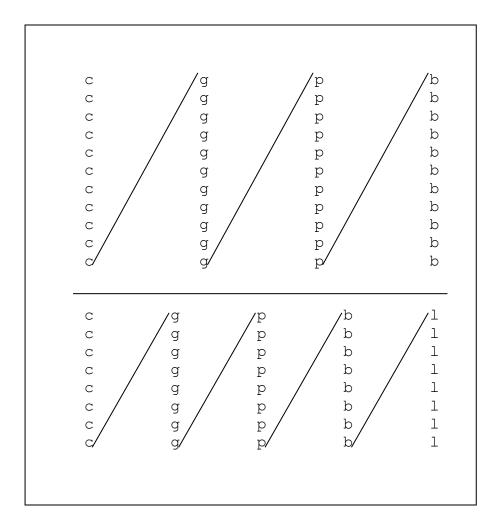
_			_
1	1	1	1
1	1	1	1
	_	<u>+</u>	
Ι Ι	1	<u> </u>	T
1	1	1	1
1	1	1	1
	Τ		
1	1	1	1
	1		1
1	-	-	-
	Τ	1	Τ
1	1	1	1
1	1	1	1
	_	_	_
⊥	Τ	1	1
1	1	1	1
	1	1	1
	Τ	1	
1	1	1	1
1	1	1	1
1	-	-	-
	Τ	1	Τ
1	1	1	1
1		1	
1	1	1	<u> </u>
1	1	1	1
_	_	_	_

There is a line all the way across the middle of the sheet, from left to right, separating the activities.

There are 2 activities on this sheet.

Activity 1. Press lightly on the braille at the top of the first column. Move down and press on the braille at the bottom of the column. Follow the single dots up to the top of the next column. Continue tracking and pressing the top and bottom of each of the columns on the top half of the sheet. Swipe right to hear your score.

Activity 2. The columns, on the bottom half of the sheet, are shorter than the columns on the top half of the sheet. Track and press these columns the same as you did the top half of the sheet. Swipe right to hear your score.



Activity: Press on the braille at the top and the bottom of each column. Then swipe right.

1	i	+	
1		+	
	<u> </u>		
1	1	t	
1	i	t	
1	i	t	
1	i	+	
1	-	+	
	<u>.</u>	L	
1	1	τ	
1	i	t	
1	i	t	
1	i	t	
	i i i i i i i i i i i i i i i i i i i	t t t t t t t t t t t t t t t t t t t	
1	<u>.</u>	<u></u>	
1	1	τ	
1	i	t	
1	i	t	
1	i	t	
1	i	+	
1 1	<u> </u>		
	<u> </u>	L	
1	i	t	
1	i	t	
1	i	t	
		-	

Sheet B1T-56

Activity: Press on the braille at the top and the bottom of each column. Then swipe right.

С	a	n	b	
C	a a	p p	b	
C	g	p	b	
С	g	p	b	
С	g	р	b	
С	g	p	b	
С	g	р	b	
С	g	р	b	
С	g	р	b	
С	g	р	b	
С	g	р	b	
С	g	р	b	
С	g	р	b	
С	g	р	b	
С	g	р	b	
С	g	p	b b	
C	g	p n	b b	
	g	р	D	

There is a line all the way across the middle of this sheet from left to right. There are 3 up and down lines above the center line and 3 lines below the center line.

There are 2 activities on this sheet.

Activity 1. Press on the braille at the top of the shortest line above the center line. Then swipe right.

Activity 2. Press on the braille at the top of the shortest line below the center line. Then swipe right.

1 1 1 1	1 1 1	1 1 1 1 1 1
1 1 1	1 1 1 1 1 1	1 1 1

There is a line all the way across the middle of this sheet from left to right. There are 4 up and down lines above the center line and 4 lines below the center line.

There are 2 activities on this sheet.

Activity 1. Press on the braille at the top of the longest line above the center line. Then swipe right.

Activity 2. Press on the braille at the top of the longest line below the center line. Then swipe right.

a a a a a	p p		У У У У У У У У		
b b b b b b b b	d d d d d	r r r r r	i i i		

Speedy Fingers Race

Activity: Press on the full cell near the top, left corner of the sheet to start the timer. Press down each time that the line changes direction, follow the line up, down, and all around until you get to the end of the line at the bottom of the sheet. Press on the end, then swipe right to hear your score.

```
::
::
      :
           :
      :
           :
                  ::
           ::
      ::
                         ::
                  :
      :
           :
                  :
                         :
           :
                  :
:
                              :
::
       :
** ** ** #
                  ::
       :
             ::
                  ::
                       ::
  ::
       ::
             :
                  ::
                       :
                  :
                       :
             ::
             ::
                       :
                  :
                          .....
  :
             :
                  :
                          :
             :: .. .. .. .: ::
                          :
                       :: :: :: ::
```

Lesson 6

Tracking from top to bottom over unlike symbols that follow closely without a space.

- ✓ This lesson includes braille sheets 60-66.
- ✓ Do not refer to letters by name in this lesson.

Sheet B1T-60

Test. You will not be told if you are right or wrong, but you will hear a beep, each time you press on the sheet.

Activity: Press on the braille at the top and bottom of every column. Then swipe right to hear your score.

b	1	n	
0	0	a	
У 1	X	r	
	Z	b	
n	С	q	
р	V	е	
d	d	V	
X	W	j	
a	е	n	
r	u	k	
d	f	W	
Z	r	d	
С	f	е	
h	d	u	
n	g t	W	
k	t	h	
d	h	n	
b	S	i	
V	i	m	
р	r	j 1	
0	j	1	

Sheet B1T-61

Activity: Press on the braille at the top and bottom of every column. Then swipe right.

b	q	r	
g	q i	t	
m	S	V	
n	t	0	
V	W	У	
е	Z	u	
m	X	d	
У	q	a	
е	t	1	
a	r	q	
j q	V	n	
j	t	W	
X	V	У	
r	W	У	
Z	С	t	
b	е	S	
d	0	e	
e	С	i	
i j	p t	a	
J	t	g	
0	d	h	

Sheet B1T-62

Activity: Press on the braille at the top and bottom of every column. Then swipe right.

k	S	u	
У	u	W	
С	i	i	
е	h	t	
X	k	j	
m	W	S	
t	V	b	
d	n	X	
n	h	Z	
	i	t	
q j e		h	
]	У 1		
		е	
p i	0	C ·	
1	р	j	
С	d	X	
V	V	Z	
q	S	q	
t	t	t	
r	V	h	
V	r	У	
h	u	n	
L			

There are 2 activities on this sheet.

Activity 1. Press on the braille at the top of the shortest line on the sheet. Then swipe right.

Activity 2. Press on the braille at the bottom of the longest line on the sheet. Then swipe right.

b	à	С	х	
a d	h	n	р	
Z	n	h	a	
m	C	x i	У	
e	У i	Τ.	r	
У			e j	
u	x k		J	
j	ĸ f		S	
e			Z	
C	р		o h	
У	Z			
v h			n k	
1			b	
m				
f			m d	
			t	
q r				
			r j	
X W			J	
z				
Δ				

There is a line all the way across the middle of this sheet from left to right. There are 4 up and down lines above the center line and 4 lines below the center line.

There are 2 activities on this sheet.

Activity 1. Press on the braille at the top of the shortest line above the center line. Then swipe right.

Activity 2. Press on the braille at the top of the longest line below the center line. Then swipe right.

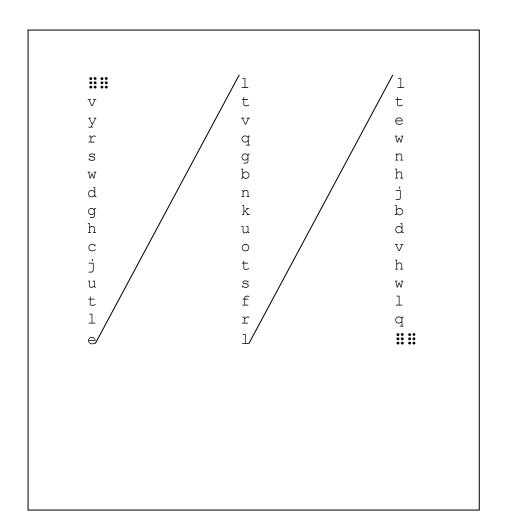
e t u v y m k h	p t e u m j	t u z d y n o t	j a k w	
t u v h	h Y V t n h i q	p v	e k n u Y f	

Activity: Move lightly down each column and press on the braille following each space in all the columns. Then swipe right.

р	t	С	
r	V	j	
t	X	c j 1	
V	W	m	
=		У	
	W		
S	е	S	
s j	t	a	
k	m	р	
m	u	u	
n	V	е	
0	С	1	
V	Z		
		r	
S	1	У	
W	X	W	
d	е	X	
g	f	u	
	r	р	
	р	V	
		У	
1			

Up and Down Zig Zag Game

Activity: Press on the first full cell at the top of the sheet to start the timer. Press down every time you stop to change direction. Press at the end of the last line. Swipe right to hear your score.



Lesson 7

Tracking from top to bottom over like symbols that have one blank space between them.

- ✓ This lesson includes braille sheets 67-74.
- ✓ Do not refer to letters by name in this lesson.

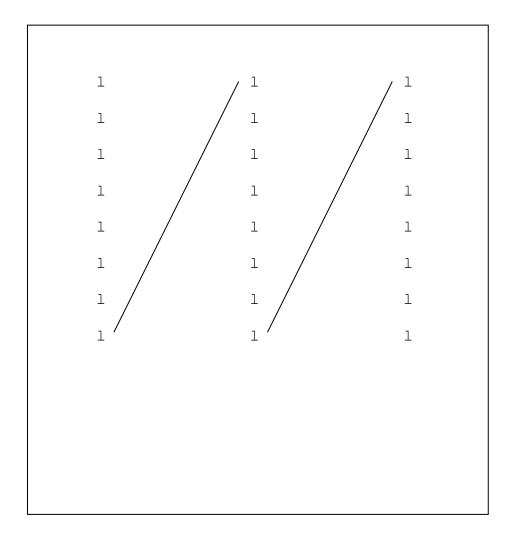
Sheet B1T-67

Test. You will not be told if you are right or wrong, but you will hear a beep, each time you press on the sheet.

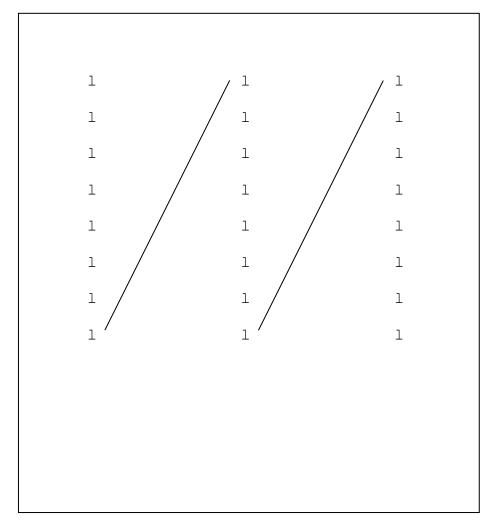
Activity: Press on the braille at the top and bottom of each column. Swipe right to hear your score.

1	h	r	S	
1	h	r	s	
1	h	r	s	
1	h	r	S	
1	h	r	s	
1	h	r	S	
1	h	r	S	
1	h	r	S	
1	h	r	S	
1	h	r	S	
1	h	r	S	

Activity: Press on the braille at the top and the bottom of every column. Use the helper lines to get from one column to the next more quickly. Complete the sheet and then swipe right.



Activity: Press on the braille at the top and the bottom of every column. Use the helper lines to get from one column to the next more quickly. Complete the sheet and then swipe right.



Activity: Press on the braille at the top and bottom of every column. See if you can do this in 15 seconds or less. Swipe right when you finish to get your score.

1	i	С
1	i	С
1	i	С
1	i	С
1	i	С
1	i	С
1	i	С
1	i	С
1	i	С
1	i	С
1	i	С

Activity: There are some of those funny little boxes in these columns. Move down every column and press on each box on the way down. Swipe right when you finish.

l e m l ii				
1				
 e e e e y e s e i e g e f i b 	1	е	m	
1 e r 1 e y 1 e s e i 1 e g 1 e f 1 i b	1	::	•	
1 e y 1 e s e i 1 e g 1 e f 1 i b	:	е	0	
1 e s # e i 1 e g 1 e f 1 # b	1	е	r	
 e i e g e f ii b 	1	е	У	
l e g l e f l # b	1	е	S	
1 e f 1 !! b	::	е	i	
1 # b	1	е	g	
	1	е	f	
: : :	1	••	b	
	:	:	::	

This sheet has a line in the center from left to right. There are 3 columns above and 3 columns below the center line.

There are 2 activities on this sheet.

Activity 1. Press on the braille at the top of the shortest column above the line. Then swipe right.

Activity 2. Press on the braille at the top of the longest column below the line. Then swipe right.

1	1	1	
1	1	1	
1	1		
	1		
1	1	1	
1	1	1	
	1	1	
		1	

There are 2 activities on this sheet.

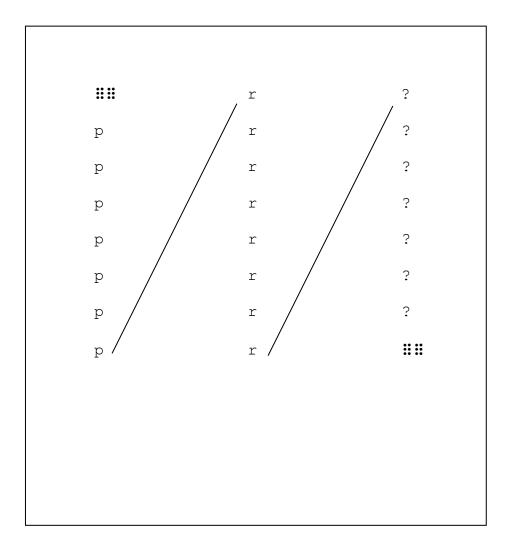
Activity 1. Press on the braille at the top of the shortest column above the line. Then swipe right.

Activity 2. Press on the braille at the top of the longest column below the line. Then swipe right.

a	р	е	У	
a	р	е	У	
a		е	У	
		е	У	
		е		
b	d	r	i	
b	d	r	i	
b	d	r		
b		r		
b				

Up and Down Zig Zag

Activity: Press on the full cells at the top of the sheet to start the timer. Press down every time you stop to change direction. Press at the end of the last line. Swipe right to hear your score.



Lesson 8

Tracking from top to bottom over unlike symbols that have one blank space between them.

- ✓ This lesson includes braille sheets 75-79.
- ✓ Do not refer to letters by name in this lesson.

Sheet B1T-75

Test. You will not be told if you are right or wrong, but you will hear a beep, each time you press on the sheet.

Activity: Press on the braille at the top and bottom of each column as quickly as you can. Swipe right to hear your score.

b	g	s
S	m	r
У	0	С
g	W	1
i	i	У
1	u	W
0	е	0
р	1	d
X	r	j
d	q	р
j	X	0

Activity: Press on the braille at the top and bottom of each column as quickly as you can. Swipe right to hear your score.

m	W	đ	
1	е	i	
0	0	b	
У	t	n	
r	u	У	
е	i	р	
S	b	V	
j	m	a	
р	X	j	
С	j	r	
Х	V	n	

Activity: Press on the braille at the top and bottom of each column as quickly as you can. Swipe right to hear your score.

r	u	a a
S	У	g i
t	Z	0
0	d	р
j	b	a
đ	W	u
t	V	1
У	1	i
d	f	0
m	Z	
f	d	

Activity: Start at the top and move as fast as you can down every column. Press lightly on every little box you find. Then swipe right.

	••		
S	#	V	
:	X	S	
1	f	У	
t	S	:	
V	::	t	
:	::	е	
d	t	1	
W	W	:	
р	i	::	
::	n	Х	
0	::	j	

Up and Down Zig Zag

Activity: Press on the full cells at the top of the sheet to start the timer. Press down every time you stop to change direction. Press at the end of the last line. Swipe right to hear your score.

##	r	d
g	q	a
r	n	W
У	m	V
i	b	đ
W	r	f
k	е	х
1	k	##

Lesson 9

Identifying two geometric shapes as being the same or different.

- ✓ This lesson includes braille sheets 80-84.
- ✓ Do not refer to letters by name in this lesson.

Sheet B1T-80

Test. You will not be told if you are right or wrong, but you will hear a beep, each time you press on the sheet.

Activity: There are 2 groups of braille on each line. If the 2 groups are the same, press on the second group. If the 2 groups are not the same, do not press on either group. Finish the sheet, then swipe right to hear your score.

Activity: Feel the 2 groups of braille that are next to one another. If the 2 groups feel the same, press on the second group. If the 2 groups do not feel the same, do not press on either group. Finish the sheet, then swipe right to hear your score.

Activity: There are 2 groups of braille on each line. If the 2 groups are the same, press on the second group. If the 2 groups are not the same, do not press on either group. Finish the sheet, then swipe right to hear your score.

Activity: There are 2 groups of braille on each line. If the 2 groups are the same, press on the second group. If the 2 groups are not the same, do not press on either group. Finish the sheet, then swipe right to hear your score.

Activity: There are 2 groups of braille on each line. If the 2 groups are the same, press on the second group. If the 2 groups are not the same, do not press on either group. Finish the sheet, then swipe right to hear your score.

Lesson 10

Identifying two braille symbols as being the same or different.

- ✓ This lesson includes braille sheets 85-89.
- ✓ Do not refer to letters by name in this lesson.

Sheet B1T-85

Test. You will not be told if you are right or wrong, but you will hear a beep, each time you press on the sheet.

Activity: There are 2 columns on this sheet. Press on the second symbol of any pair when the symbols are the same. Finish the first column then do the second column. Swipe right to hear your score.

1	1	d w
g	У	tt
С	t	g g
У	У	s b
0	b	ii
1	1	t e
d	d	v h
t	X	УУ
b	b	b r
i	t	0 0
r	g	рр

Activity: There are 2 columns on this sheet. Press on the second symbol of any pair when the symbols are the same. Finish the first column then do the second column. Then swipe right.

g	У	t z
m	m	b j
S	S	h h
h	У	d d
р	z	k k
n	n	tu
r	m	i w
b	b	ео

Activity: There are 2 columns on this sheet. Press on the second symbol of any pair when the symbols are the same. Finish the first column then do the second column. Then swipe right.

1 1	s t	
d d	j ∿	v .
r t	u z	Z
h z	b k	
k k	e e	2
e e	h r	c
O Z	i t	
j j	g ç	

Activity: There are 2 columns on this sheet. Press on the second symbol of any pair when the symbols are the same. Finish the first column then do the second column. Then swipe right

1 1	h l
СС	i i
g l	= 1
i y	= =
d d	e e
УУ	a a
l y	у р
b o	l i
S S	е у
d d	r r
g a	s q

Activity: There are 2 columns on this sheet. Press on the second symbol of any pair when the symbols are the same. Finish the first column then do the second column. Then swipe right.

b g	d o	
1 1	l g	
= 1	d a	
r b	УУ	
a a	1 1	
УУ	у д	
у с	p p	
g o	0 0	
d d	r o	
1 1	b у	
са	l g	

Lesson 11

Identifying two braille symbols within a line as being the same or different.

- ✓ This lesson includes braille sheets 90-94.
- ✓ Do not refer to letters by name in this lesson.

Sheet B1T-90

Test. You will not be told if you are right or wrong, but you will hear a beep, each time you press on the sheet.

Activity: Track across the line. Find the pair of symbols. Press on the second symbol, if both symbols are the same. Finish the sheet, then swipe right for your score.

1 1
d A
p p
r r
j n
О У
••••• t t ••••••••••••••••••••••••••••
•••••• f q ••••••
j j
m h
••••••••••••••••••••••••••••••••••••••

······ = = ··········
1 1
••••••• = 1 ••••••••••
••••••••••••••••••••••••••••••••••••••
1 1
······ = = ········
····· = 1 ······
···· = 1 ···

1 1
••••• t t ••••
d y
r i
b b
у ј
••••••••••••••••••••••••••••••••••••••
w w
i w

s s	
••••••••••••••••••••••••••••••••••••••	
W W	

••••• o q •••••	
w	
p z	
••••••••••••••••••••••••••••••••••••••	
••••• g n •••••••	
•••• у ј ••••••••••••••••••••••••••••••	

•• •• ••	h l
•• •• ••	n n
•• •• ••	•••••• p q ••••••••
•• •• ••	i w
•• •• ••	••• t t ••••••••••••••••••••••••••••••
•• •• ••	h h
•• •• ••	••• s y •••••••••••••••••••••••••••••••
•• •• ••	z z •••
•• •• ••	•••••• b g •••••••

Lesson 12

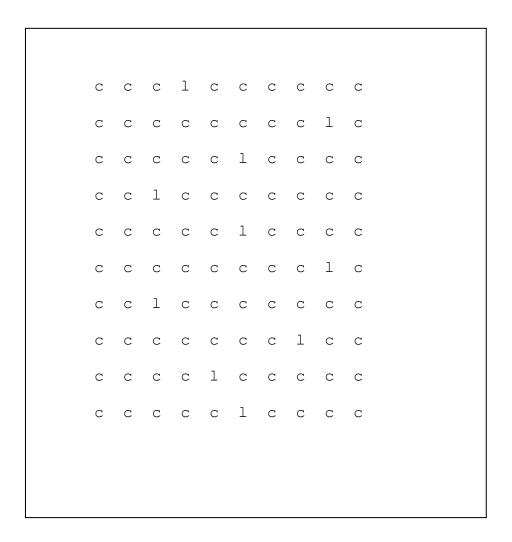
Identifying the one symbol that is different in a line of like symbols using I and c.

- ✓ This lesson includes braille sheets 95-100.
- ✓ Do not refer to letters by name in this lesson.

Sheet B1T-95

Test. You will not be told if you are right or wrong, but you will hear a beep, each time you press on the sheet.

Activity: Track across every line and find the symbol that is different from the rest of the line. Press on it. Finish the sheet, then swipe right to hear your score.



Activity: Track across every line and find the symbol that is different from the rest of the line. Press on it. Finish the sheet, then swipe right.

```
1
          1
                 1
                     1
                         1
                            1
                                1
1
   1
          1
              1
                 1
                     1
                                1
       1
                            1
   1
          1
              1
                 1
                     1
                         1
                                1
       С
1
   1
       1
          1
              1
                 1
                     1
                         1
                            С
                                1
1
   1
       1
          1
              1
                     1
                         1
                            1
                                1
   1
       С
          1
              1
                     1
                         1
                                1
                     1
1
   1
       1
          1
              1
                 1
                         1
                            1
                                С
   1
          1
              1
                 1
                         1
                            1
                                1
                     С
          1
              1
                     1
1
      1
                 1
                         1
                            1
                                1
   1
          1 c
                 1 1 1
                                1
      1
                            1
```

Lesson 13

Identifying the one symbol that is different in a line of like symbols using similar braille symbols.

- ✓ This lesson includes braille sheets 101-107.
- ✓ Do not refer to letters by name in this lesson.

Sheet B1T-101

Test. You will not be told if you are right or wrong, but you will hear a beep, each time you press on the sheet.

Activity: Use your smart fingers. Hunt for the symbol in each line that is different from all the others. Press on it. Do all the lines the same way, then swipe right to get your score.

Activity: Use your smart fingers. Hunt for the symbol in each line that is different from all the others. Press on it. Do all the lines the same way, then swipe right.

```
1
          1
              1
                        1
                            1
                                1
                 1
                     С
1
   1
          1 c
                 1
                     1
                        1
                            1
                                1
       1
   1
          1
              1
                 1
                     1
                         1
                                1
       С
1
   1
       1
          1
              1
                 1
                     1
                         1
                            С
                                1
1
   С
      1
          1
             1
                 1
                     1
                        1
                            1
                                1
                 С
                     g
                                g
g
   g
          g
              g
                         g
g
   g
      g
          g
              g
                 g
                                g
g
   С
      g
          g
              g
                 g
                     g
                         g
                            g
                               g
              С
   g
          g
                 g
                     g
                        g
                            g
                                g
                 g
                     g
                        g
                            С
                               g
   g
      g
          g
              g
```

Activity: Use your smart fingers. Hunt for the symbol in each line that is different from all the others. Press on it. Do all the lines the same way, then swipe right.

```
g
                                  g
g
           g
               g
                   g
                          g
                              g
                                  g
   g
       g
           g
               1
                   g
                      g
                          g
                              g
                                 g
g
                      1
                   g
   g
       g
           g
               g
                                  g
   1
g
       g
           g
               g
                   g
                      g
                          g
                              g
                                  g
   1
           1
               1
                   g
                      1
                                  1
1
   1
       1
           1
               1
                   1
                      1
                          g
                              1
                                  1
           1
       С
               С
                   С
                      С
                          С
                          1
   а
       а
           а
               а
                   а
                      а
                              а
                                  а
   а
       t
           а
               а
                   а
                      а
                          а
```

Activity: Use your smart fingers. Hunt for the symbol in each line that is different from all the others. Press on it. Do all the lines the same way, then swipe right.

Activity: Use your smart fingers. Hunt for the symbol in each line that is different from all the others. Press on it. Do all the lines the same way, then swipe right.

Activity: Use your smart fingers. Hunt for the symbol in each line that is different from all the others. Press on it. Do all the lines the same way, then swipe right.

```
1
   1
              1
                 1
                           1
                               1
1
   1
          1
              1
                   1
                        1
                           1
                               1
      1
   1
      1
          1
              1
                 1
                     1
                        1
                           1
1
   1
          1
              1
                 1
                     1
                        1
                           1
                               1
1
   1
      1
          1
              1
                     1
                        1
                           1
                               1
          1
              1
                     1
                        1
                               1
1
   1
      1
          1
              1
                 1
                     1
                        =
                           1
                               1
   1
              1
                 1
                     1
                        1
                           1
                               1
              1
   1
          1
                        1
                               1
   1
          = 1
                 1 1 1
                               1
      1
                           1
```

Activity: Use your smart fingers. Hunt for the symbol in each line that is different from all the others. Press on it. Do all the lines the same way, then swipe right.

108

Lesson 14

Identifying the one symbol that is different in a group of three symbols.

- ✓ This lesson includes braille sheets 108-118.
- ✓ Do not refer to letters by name in this lesson.

Sheet B1T-108

Test. You will not be told if you are right or wrong, but you will hear a beep, each time you press on the sheet.

Activity: There are 2 columns and groups of 3 symbols on each line. Press on the one symbol that is different from the other 2 in each group. Complete the first column, before completing the second column. Then swipe right to get your score.

С	С	r	S	s	h		
1	С	1	h	h	s		
a	d	d	b	b	р		
р	g	р	i	d	i		
b	b	V	0	0	a		
a	0	0	V	b	b		
i	d	i	р	g	р		
р	b	b	d	d	a		
S	h	h	1	С	1		
h	s	S	r	С	С		

T3 Braille Teacher's Guide

Activity: Compare the three groups of braille in each set as you go from left to right across the sheet. Press on the braille of the one group that is different from the other two in each set. Complete the sheet, then swipe right.

Activity: Look at the groups of braille next to one another. Press on the group that is different from the other two. Complete the sheet, then swipe right.

```
. . . . . . . . .
                             :::
                 : : :
                 :::
:::::
                             :::
                 : : :
                              :::
                    :: :: ::
                    :: :: ::
                    :: :: ::
:: :: :: ::
               :: :: :: ::
              :: :: :: ::
:: :: :: ::
```

Activity: Look at the groups of braille next to one another. Press on the group that is different from the other two. Complete the sheet, then swipe right.

```
:::::
· · · · ·
· · · · ·
               · · · · ·
:: :: :: ::
:: :: :: ::
                      ::
::::
           ::::
           ::::
::::
                       : :
::::
            ::::
                      ::
::::
            ::::
                                     .......
.........
                                     ... ... ... ...
```

Activity: Look at the groups of braille next to one another. Press on the group that is different from the other two. Complete the sheet, then swipe right.

```
1
                 1 1
g
   g
   1
g
      g
1
                   1
                      1
   g
      g
                    1
   1
      g
g
                    1
                       1
   g
      g
                 1
                      1
      1
g
   g
                 1
                   1
   1
      g
                    1
1
   g
      g
                 1
      1
   g
g
                   = 1
   1
                 1
      g
                 1 = 1
     1
```

Activity: There are 2 columns and groups of 3 symbols on each line. Press on the one symbol that is different from the other 2 in each group. Complete the first column, before completing the second column, then swipe right.

1 1 1 g 1 С а С С У У 1 1 р р 1 d d f d 1 f d С С С С g С b b g

1	1	=	е	Z	е		
a	р	a	У	У	d		
b	b	У	i	t	t		
r	=	=	р	0	0		
f	1	f	С	g	С		
g	g	a	a	a	d		
n	n	h	b	a	b		
r	0	0	1	1	У		
1	=	1	0	е	е		
i	d	i	=	=	1		
a	a	g	j	j	W		

Activity: There are 2 columns and groups of 3 symbols on each line. Press on the one symbol that is different from the other 2 in each group. Complete the first column, before completing the second column, then swipe right.

1 1 = ррс = 1 1 срр 1 = 1рср 1 1 = ррс = 1 1 срр 1 = 1рср 1 1 = сср 1 = 1срс = 1 1 рсс = 1 1 срс 1 1 = сср

1 1 c	a a g
у у р	c j j
a g a	l b l
r h h	n i i
i i l	e e j
e o o	s s i
рdр	i s s
c c =	p = =
d d a	l l h
s g g	a a c
1 j j	y r y

сус	a a b
1 1 q	= = j
a a c	j j =
оее	асс
g q q	i s s
1 = 1	f p f
= h =	ссд
y 1 1	y 1 1
сдд	e s s
n n y	c a c
h h r	b b 1