







ASSESSMENT GUIDELINES FOR EARLY NUMERACY SKILLS

TARGET SKILLS 1-6 Tact Typical Dice Pattern

- Materials Needed:
 - Typical Dice Pattern Cards (0-5)

Show each card individually

STAFF: “How many?” (**Show for about 1-second and then cover/remove**)

STUDENT: "(Tact's how many)"

If student begins to point and count each dot, cover the card up. The student should recognize the pattern and say the number.

TARGET SKILLS 7-12: LR –Select Typical Dice Pattern (will likely get for free with teaching tact)

- Materials Needed:
 - Typical Dice Pattern Cards (0-5)

Lay out all 6 dice pattern cards on table in array

- STAFF: “Find the one that has (number)”
- STUDENT: “Student selects dice pattern card”

**TARGET SKILLS 13-18: Build Dice Pattern (start as soon as possible once initial patterns acquired as tact/LR)

- Materials Needed:
 - Blank card
 - Counters (5+)
 - Typical Dice Pattern 0-5 (for prompting)

Place handful of counters and blank card in front of student

STAFF: “Build/Make (number)”

STUDENT: Places counters on blank card to represent number (not stacking in tower, student should pull items from group without counting but it is okay if student pulls in more than one set...for example if you say “make 4” okay if student pulls two items then two more. DOES NOT have to be perfect dice pattern just the set without counting by one)

Prompt: show pattern card “Build _____”

TARGET SKILLS 19-23: Tact Various Atypical Dice Pattern (on card)

- Materials Needed:
 - Pattern Atypical Dice Cards (stars, hearts, smiley faces)

Show each card individually

STAFF: “How many?” (**Show for about 1-second and then cover/remove**)

STUDENT: "(Tact's how many)"

If student begins to point and count each dot, cover the card up. The student should recognize the pattern and say the number.

TARGET SKILLS 24-28: Tact Various Atypical Dice Pattern (with objects)

- Materials Needed:
 - May use Pattern Atypical Dice Cards (stars, hearts, smiley faces) **For reference**
 - Counters/ Small similar objects

Place objects in atypical pattern array on desk

STAFF: "How many?" (**Show for about 1-second and then cover/remove**)

STUDENT: "(Tact's how many)"

If student begins to point and count each dot, cover the card up. The student should recognize the pattern and say the number.

TARGET SKILLS 29-33: Tact Dice Pattern (on card) in discrimination

- Materials Needed:
 - Black and Grey dot Dice Pattern cards

Show each card individually

STAFF: "How many black? (**Show for about 1-second and then cover/remove**)

STUDENT: "(# of black dots on card)"

TARGET SKILLS 34-38: Tact Dice Pattern (with objects) in discrimination

- Materials Needed:
 - May use Typical Dice Pattern Cards **For reference**
 - 2 different colored Counters/ 2 sets of Small Similar Objects

Show objects in array

STAFF: "How many (1 colored counter)? (**Show for about 1-second and then cover/remove**)

STUDENT: "(# of colored counter)"

TARGET SKILLS 39-44: Copy written numbers

Keep Student's Paper of copied numbers please

- Materials Needed:
 - Number cards (0-5)
 - Paper/pencil

Present student with number card

STAFF: "Write (number)"

STUDENT: Copies number on card on paper

TARGET SKILLS 45-50: Write upon dictation

Keep Student's Paper of copied numbers please

- Materials Needed:
 - Paper/pencil

STAFF: "Write (number)"

STUDENT: Writes number dictated on paper

TARGET SKILLS 51-56: Tact Numeral

- Materials Needed:
 - Number cards (0-5)

Present numeral card

STAFF: "What number?"

STUDENT: "(number on card)"

TARGET SKILLS 57-62: LR Select Numeral

- Materials Needed:
 - Number cards (0-5)

Place 5 number cards in array on desk

STAFF: "Find the number _____"

STUDENT: Selects number

TARGET SKILLS 63-68: Tact Solid Pattern on 10 frame with objects

- Materials Needed:
 - 10 frame blank card
 - 10 frame cards w/ black dots 1-5 (for reference)
 - 5 of the same object/same colored counter

Show objects arranged on 10 frame in pattern shown on 10 frame with black dots card

STAFF: "How many (object/colored counters)?" (**Show for about 1-second and then cover/remove**)

STUDENT: "(Tact's how many)"

If student begins to point and count each dot, cover the card up. The student should recognize the pattern and say the number.

TARGET SKILLS 69-73: Tact Solid Pattern on 10 frame with objects in discrimination

- Materials Needed:
 - 10 frame blank card
 - 10 frame cards w/ black and grey dots 1-5 (for reference)
 - 2 different objects (2 colored counters, or 2 sets of objects that are different)

Show objects arranged on 10 frame in pattern shown on 10 frame with black dots and grey dot card

STAFF: "How many (1 colored counter or object)?" (**Show for about 1-second and then cover/remove**)

STUDENT: "(Tact's how many of that counter or object)"

If student begins to point and count each dot, cover the card up. The student should recognize the pattern and say the number

TARGET SKILLS 74-79: Tact Solid Pattern on 10 frame (on card)

- Materials Needed:
 - 10 frame cards with black dots (blank, 1-5)

Show each card individually

STAFF: “How many?” (**Show for about 1-second and then cover/remove**)

STUDENT: “(Tact’s how many)”

If student begins to point and count each dot, cover the card up. The student should recognize the pattern and say the number.

TARGET SKILLS 74-79: Select Solid Pattern on 10 frame (on card)

- Materials Needed:
 - 10 frame cards with black dots (blank, 1-5)

Lay out all (6) 10 frame pattern cards on table in array

- STAFF: “Find the one that has (number)”
- STUDENT: “Student selects 10 frame card”

TARGET SKILLS 80-84: Tact Pattern on 10 frame (on card) in discrimination

- Materials Needed:
 - Black and Grey dot 10 frame Pattern cards (with 0-5 black dots in pattern)

Show each card individually

STAFF: “How many black dots? (**Show for about 1-second and then cover/remove**)

STUDENT: “(# of black dots on card in 10 frame)”

TARGET SKILLS 85-89: Build 10 frame with objects (1-5)

- Materials Needed:
 - Blank 10 frame card
 - Counters (5+)

Place handful of counters and blank card in front of student

STAFF: “Build/Make (number)”

STUDENT: Places counters on blank card to represent number (not stacking in tower, student is expected to build specific pattern on 10 frame so, if building 6, student should place five items in a row and the last item on the first space of the second row)

**TARGET SKILLS 90-93: Tact Quantity of Each Item & Altogether on Dice Pattern

- Materials Needed:
 - Black and Grey dot Dice Pattern Cards (2-5)

Show each card individually

STAFF: “How many black?” **** (student should respond to each question within 2 seconds and without counting)**

STUDENT: “(Tacts how many black dots)”

STAFF: "How many grey?"

STUDENT: "(Tacts how many grey dots)"

STAFF: "How many altogether?"

STUDENT: "(Tacts how many altogether)"

If student begins to point and count each dot, cover the card up. The student should recognize the pattern and say the number.

TARGET SKILLS 94-97: Tact Quantity of Each Item & Altogether on 10 frame Pattern

- Materials Needed:
 - Black and Grey dot 10 frame Pattern Cards (2-5)

Show each card individually

STAFF: "How many black?" **** (student should respond to each question within 2 seconds and without counting)**

STUDENT: "(Tacts how many black dots)"

STAFF: "How many grey?"

STUDENT: "(Tacts how many grey dots)"

STAFF: "How many altogether?"

STUDENT: "(Tacts how many altogether)"

If student begins to point and count each dot, cover the card up. The student should recognize the pattern and say the number.

TARGET SKILLS 98-102: Draw 10 frame (1-5)

- Materials Needed:
 - Blank 10 frame card
 - Expo Marker to draw

STAFF: "Draw (number)"

STUDENT: (Places dot or shades in number of spaces on 10 frame)

TARGET SKILLS 103-108: Tact and Select math symbols (+ - =)

- Materials Needed:
 - +, -, = sign cards

Show each card individually

STAFF: "What sign?"

STUDENT: "(Names sign)"

(For tacts accept: plus, addition sign for +, Accept: subtraction or minus for -, Accept: equals sign for =)

TARGET SKILLS 109-113: Conceptual addition with 10 frames (up to 5)

- Materials Needed:
 - 10 frame 8x10 template
 - Several sets of 5 of the same object/color
 - Dry erase board and marker

Type 1:

1. *Write out problem and have student read it*

2. *Have student build it*
3. *Have student put them together*
4. *Have student tact how many together*
5. *Have student write the digit in*
6. *Have student read whole problem again with response*

Provide multiple exemplars and vary the S^d and response type:

- *Say problem have student build and solve, then write*
- *Build problem have student write and solve it*

TARGET SKILLS 114-118: Tact Solid Pattern on 10 frame with objects (6-10)

- **Materials Needed:**
 - 10 frame 8x10 template
 - 10 frame cards w/ black dots 6-10 (for reference)
 - 10 of the same object/same colored counter

Show objects arranged on 10 frame in pattern shown on 10 frame with black dots card
 STAFF: “How many (object/colored counters)?” (**Show for about 1-second and then cover/remove**)

STUDENT: “(Tact’s how many)”

If student begins to point and count each dot, cover the card up. The student should recognize the pattern and say the number.

TARGET SKILLS 119-123: Tact Solid Pattern on 10 frame (on card) (6-10)

- **Materials Needed:**
 - 10 frame cards with black dots (6-10)

Lay out all (5) 10 frame pattern cards on table in array

- STAFF: “Find the one that has (number)”
- STUDENT: “Student selects 10 frame card”

TARGET SKILLS 124-128: Tact Solid Pattern on 10 frame on card (6-10)

- **Materials Needed:**
 - 10 frame blank card
 - 10 frame cards w/ black dots 6-10
 - 2 different objects (2 colored counters, or 2 sets of objects that are different)

Show objects arranged on 10 frame in pattern shown on 10 frame with black dots and grey dot card

STAFF: “How many (1 colored counter or object)?” (**Show for about 1-second and then cover/remove**)

STUDENT: “(Tact’s how many of that counter or object)”

If student begins to point and count each dot, cover the card up. The student should recognize the pattern and say the number

TARGET SKILLS 129-133: Tact Pattern on 10 frame (on card) in discrimination (6-9)

- Materials Needed:
 - Black and Grey dot 10 frame Pattern cards (with 6-9 black dots in pattern)

Show each card individually

STAFF: “How many black dots? (**Show for about 1-second and then cover/remove**)

STUDENT: “(# of black dots on card in 10 frame)”

TARGET SKILLS 134-138: Build 10 frame with objects (6-10)

- Materials Needed:
 - Blank 10 frame card
 - Counters (6+)

Place handful of counters and blank card in front of student

STAFF: “Build/Make (number)”

STUDENT: Places counters on blank card to represent number (not stacking in tower, student is expected to build specific pattern on 10 frame so, if building 6, student should place five items in a row and the last item on the first space of the second row)

TARGET SKILLS 139-143: Draw 10 frame (6-10)

- Materials Needed:
 - Blank 10 frame card
 - Expo Marker to draw

STAFF: “Draw (number)”

STUDENT: (Places dot or shades in number of spaces on 10 frame)

TARGET SKILLS 144-148: Tact Numeral

- Materials Needed:
 - Number cards (6-10)

Present numeral card

STAFF: “What number?”

STUDENT:”(number on card)”

TARGET SKILLS 149-153: LR Select Numeral

- Materials Needed:
 - Number cards (6-10)

Place 5 number cards in array on desk

STAFF: “Find the number _____”

STUDENT: Selects number

TARGET SKILLS 154-158: Copy Written Word

Keep Student's Paper of copied numbers please

- Materials Needed:
 - Word cards for numbers 0-10
 - Paper/Pencil

Show each card individually

STAFF: "Copy"

STUDENT: (Writes word legibly)

TARGET SKILLS 159-163: Write Upon Dictation

Keep Student's Paper of copied numbers please

- Materials Needed:
 - Paper/Pencil

STAFF: "Write (number)" (0-10)

STUDENT: (Writes number in word form legibly)

**TARGET SKILLS 164-173: Count to _____)

Joint Control

What number are you counting to? **Repeated** until student responds strong(6) ****this procedure is used to teach but you should not prompt student to rehearse if probing or assessing**

STAFF: "Count to (number)"

STUDENT: "(Counts to that number and stops)"

TARGET SKILLS 174-184: Read number Word

- Materials Needed:
 - Word cards for numbers 0-10

Show each card individually

STAFF: "What word?"

STUDENT: "Says number word on card"

TARGET SKILLS 185-195: Selects number Word

- Materials Needed:
 - Word cards for numbers 0-10

Place 5 number cards in array on desk

STAFF: "Find (number)"

STUDENT: "Selects number word card"

TARGET SKILLS 196-206: Copy Written Word

Keep Student's Paper of copied numbers please

- Materials Needed:
 - Word cards for numbers 0-10
 - Paper/Pencil

Show each card individually

STAFF: "Copy"

STUDENT: (Writes word legibly)

TARGET SKILLS 207-217: Write Upon Dictation

Keep Student's Paper of copied numbers please

- Materials Needed:

- Paper/Pencil

STAFF: "Write (number)" (0-10)

STUDENT: (Writes number in word form legibly)

**TARGET SKILLS 218-227: 1:1 Correspondence Count to:

Present the student with the number of objects asked on the table

Staff: Count the (object)

Student: (counts each object)

TARGET SKILLS 228-236: Give Specified Number of Objects from Larger Set

- Materials Needed:

- 10+ objects or counters

Place handful of counters/ objects in front of student

STAFF: "Give me ____" (1-10)

STUDENT: (Counts out number of objects from pile and gives to staff)

TARGET SKILLS 237-246-: Conceptual addition with 10 frames (up to 10)

- Materials Needed:

- 10 frame 8x10 template
- Several sets of 10 of the same object/color
- Dry erase board and marker

Type 1:

7. *Write out problem and have student read it*

8. *Have student build it*

9. *Have student put them together*

10. *Have student tact how many together*

11. *Have student write the digit in*

12. *Have student read whole problem again with response*

Provide multiple exemplars and vary the S^d and response type:

- *Say problem have student build and solve, then write*
- *Build problem have student write and solve it*