

DISTAR Arithmetic Placement

DISTAR Arithmetic I is for students who:

- Can not yet count to 10
- Do not recognize and can not write numbers or symbols such as +, -, =
- Who may not have one-to-one correspondence when they count

Outcome skills

After completing DISTAR I, students should be able to:

- Handle the basic operations of addition, algebra addition (missing addends), and subtraction with numbers from 1 to 100.
- Work simple story problems that involve the operations above
- Work simple problems using the greater than, less than symbols $<$ $>$
- Derive new arithmetic facts based on an understanding of approximately 35 facts.
- Apply ordinal counting to simple picture problems

The placement test for DISTAR Arithmetic I is individually administered. It involves having the students count a row of balls. The number they are able to count determines where they will start in the program.

DISTAR Arithmetic I Placement Test

This test is to be administered before the first arithmetic class. Present the test to every child individually.

a. Point to the row of objects. *I'm going to touch and count all the objects. Watch me touch and count.*

Touch the objects from left to right at one-second intervals and count. *Get ready. One...two... three... four ...five...six...seven...eight... nine... ten.*

b. *Your turn. Touch and count all the objects. (Pause.)*

Get ready. Count. 1,2, 3, 4, 5, 6, 7, 8, 9, 10.

Children can begin the program at one of three entry points, based on their performance on the placement test.

1. If a child correctly touches and counts three objects or less, he should begin the program at lesson 1.
2. If a child correctly touches and counts four to seven objects, he should begin the program at lesson 16.
3. If a child correctly touches and counts eight objects or more, he should begin the program at lesson 31.



DISTAR Arithmetic II

This level is appropriate for students who can count to, write, and recognize numbers to 100 and work with basic addition and subtraction facts involving adding/subtracting 0, 1, or 2 to any number in the range of numbers from 1 - 100. Students should have the skills mentioned as the outcomes for DISTAR I.

The first Take-Home (or workbook) page is attached to give you an idea of the skills students are asked to have to begin this level. Administer the test below to determine if the students you are considering for placement can be taught at this level or need to be taught using DISTAR Arithmetic I first.

TEST for DISTAR II

Directions:

Work these problems on your own. Be careful. Students are allowed to draw lines and count to work these problems, but are not to use manipulatives. Students who make no more than 3 errors can begin at Lesson 1 of DISTAR II.

Name _____

$4 + 5 = \underline{\quad}$ $8 + 3 = \underline{\quad}$

$6 + 2 = \underline{\quad}$ $2 + 4 = \underline{\quad}$

$7 + 6 = \underline{\quad}$ $5 + 3 = \underline{\quad}$

1

$5 + 1 = 6$

$5 + 2 = 7$

$5 + 3 = 8$

2

$3 + 1 = 4$

$4 + 1 = 5$

$5 + 1 = 6$

$6 + 1 = 7$

$4 + 1 = 5$

$3 + 1 = 4$

$5 + 1 = 6$

$6 + 1 = 7$

$7 + 1 = 8$

$4 + 1 = 5$

$6 + 1 = 7$

$3 + 1 = 4$

$6 + 1 = 7$

$4 + 1 = 5$

$7 + 1 = 8$

3

1 2 3 4 5 6 7 8 9 1° 1°1

1 2 3 4 5 6 7 8 9 1° 1°1

1°2 1°3 1°4 1°5 1°6 1°7 1°8 1°9 2°

1°2 1°3 1°4 1°5 1°6 1°7 1°8 1°9 2°

4



$4 + 1 = 5$

$4 + 2 = 6$

$7 + 0 = 7$

$7 + 1 = 8$

$7 + 2 = 9$

$7 + 3 = 1°$

$5 + 1 = 6$

$5 + 2 = 7$

$9 + 1 = 1°$

$9 + 2 = 1°1$

$6 + 1 = 7$

$6 + 2 = 8$

$4 + 1 = 5$

$4 + 2 = 6$

$5 + 2 = 7$

$6 + 2 = 8$

$7 + 0 = 7$

$9 + 0 = 9$

$2°7 + 0 = 2°7$

$8°3 + 0 = 8°3$

$1°4 + 0 = 1°4$

$2 + 0 = 2$

$0 + 0 = 0$

$1 + 0 = 1$

$4 + 0 = 4$

$4 + 1 = 5$

$4 + 2 = 6$

$4 + 3 = 7$

$4 + 4 = 8$

5

$4 + 5 = 9$

$8 + 3 = 1°1$

$6 + 2 = 8$

$2 + 4 = 6$

$7 + 6 = 1°3$

$5 + 3 = 8$