

GRADE 1 Horizons Math Readiness Evaluation, Part A

This Readiness Evaluation helps the teacher to determine if the student is ready to begin studying math at the first grade level. The evaluation should take about 30 minutes. This is an oral evaluation with the exception of activities 2 and 3 in **Part B**. A break to rest and relax is recommended after completing **Part A**.

1. Draw a set of shapes: circle, square, triangle, rectangle, oval, octagon, star, heart, and diamond. Point to the four basic shapes (circle, square, triangle, and rectangle) and ask the student to identify each one. If the student recognizes all four basic shapes, ask him to tell you if he knows what any of the other shapes are called. Knowledge of the four basic shapes and at least familiarization with some of the others is satisfactory.
2. Use construction paper or colored items with the following ten colors: red, blue, yellow, green, orange, purple, brown, pink, black, and white. The student should be able to identify seven to ten colors correctly.
3. Use a set of objects that are different in size, height and thickness to evaluate the student's ability to make comparisons. Ask which object is bigger or littler, larger or smaller, taller or shorter, thicker or thinner. Repeat the activity to determine whether the student comprehends the concept of comparison.
4. Use a large ball and ruler to ask the student a series of directional questions. Place the ruler in various positions corresponding to the ball and ask questions about location such as over, above, below, under, left, right, top and bottom.
5. Use pairs of items (clothing, pictures, blocks, or cut-out shapes) to evaluate the child's ability to identify one-to-one correspondence and differences. Have the student match pairs or similar items such as red socks, yellow blocks, or green crayons.
6. Create two sets of two objects each, two sets of three objects each, a set of five objects, and a set of ten objects (toothpicks, blocks, etc.). Ask the student to select the set with the least number of items, the greatest number and two that are of equal number.

Students who successfully complete this part of the evaluation may proceed to **Part B**. Students who do not respond well to **Part A** should be placed in Horizons Math K to aid them in developing beginning math skills.

GRADE 1 Horizons Math Readiness Evaluation, Part B

(A number chart is helpful when administering this test. Students will need paper and pencil.)

The total number of points is listed in parentheses after the numbered item. On the line provided, write the number of points the student receives as the section is completed.

- _____ 1. Have the student tell you the following numbers as you point to them on the number chart. a. 16 b. 13 c. 45 d. 27 e. 89 f. 30 (6 points)
- _____ 2. Have the student write the numerals 1 to 10. (8 of 10 equals 1 point)
- _____ 3. Have the student write the following numbers as you say them with the number chart visible. a. 4 b. 15 c. 39 d. 51 e. 80 (5 points)
- _____ 4. Have the student count from 1 to 20 aloud. (16 of 20 equals 1 point)
- _____ 5. Have the student count out loud:
 - a. by 10's to 100 (8 of 10 equals 1 point)
 - b. by 5's to 50 (8 of 10 equals 1 point)
 - c. by 2's to 20 (8 of 10 equals 1 point)
- _____ 6. Ask the student these questions. (Each question equals 1 point)
 - a. When you put two numbers together are you adding or subtracting?
 - b. What is one more than 8?
 - c. What is one more than 13?
 - d. What is 27 plus one?
 - e. What is 6 plus 0?
 - f. What is 15 plus 0?
 - g. What is 49 plus 0?
- _____ 7. Ask the student these questions. (Each question equals 1 point)
 - a. When you take one number away from another are you adding or subtracting?
 - b. What is one taken away from 9?
 - c. What is one less than 18?
 - d. What is 52 minus 1?
 - e. What is 4 minus 0?
 - f. What is 12 minus 0?
 - g. What is 0 taken away from 33?
- _____ 8. Show the number; then, ask these questions. (Each question equals 1 point)
 - a. This is a seven. What number comes after it?
 - b. This is a fourteen. What number comes after it?
 - c. This is a thirty-six. What number comes after it?
 - d. This is a five. What number comes before it?
 - e. This is a seventeen. What number comes before it?
 - f. This is a twenty-five. What number comes before it?
 - g. This is a four and this is a six. What number comes between them?
 - h. This is forty-one and this is forty-three. What number comes between them?
 - i. This is fifty-nine and this is sixty-one. What number comes between them?

_____ **TOTAL POINTS**

Students should achieve a minimum score of 24 out of a possible 39 points on this test. If they are unable to achieve this score, they should be placed in Horizons Math K to receive the preparation needed for the first grade curriculum.