

# Sloan Letter Near Vision Card

Part Number: 729000



## Guide

Report distance equivalent notations on right side of charts.

- Use with children when they are at least 5 years old and comfortably know their letters, adolescents, and adults.
- Either side of the chart is appropriate to use when screening or testing. Charts are numbered "1" and "2" at the top if you need to report which test of visual acuity used. Having Sloan Letters on both sides of the chart gives you options, especially if you want to test or screen an individual twice in the same day or appointment. Choices prevent potential optotype memorization.
- Use the attached cord to measure 16 inches between the chart and temple near individual's right eye.
- Ensure cord remains tight to maintain distance. Slack in the cord could indicate the individual is moving closer to the chart.
- Depending on the age of the individual screened or tested, you can hold the cord and card, or the individual can hold the cord and card.
- Cover left eye with adhesive patch or occluder glasses.
- Adhesive patches or occluder glasses are helpful when the individual is holding the cord and the test of visual acuity.
- Beginning with the 20/400 line on the left side of the chart, ask the individual to identify the first letter on the left side of each line until a letter is missed.
- Avoid pointing to, and holding pointer, at letters to be identified.

Instead, briefly point to letter and quickly remove pointer. Holding a pointer near the letter to be identified makes it easier for the individual to identify the letter and could result in a less accurate visual acuity value.

- When the individual misidentifies a letter, return to the line above the missed letter and ask the individual to identify each letter on that line.
- Continue asking the individual to identify each letter on each lower line until the individual misses 3 letters on one line (continue asking the individual to identify the full line even when 3 or more are missed).
- Repeat with right eye using the last letter on each line and moving right to left.

**Visual acuity value** = The last line on which the individual correctly identified 3 of 5 letters. If you use this test of visual acuity in an exam, follow your scoring protocol.

**Pass (when screening)** = Correctly identifying 3 of 5 letters on the 20/32 line with each eye.

**Fail (when screening)** = Missing 3 or more letters on the 20/32 line, or any line above the 20/32 line, with either eye. Refer or rescreen within 6 months.

**Fail (when screening)** = Two-line difference between the eyes, even within the passing range – e.g., 10/10 (20/20) and 10/16 (20/32). Refer or rescreen within 6 months.

# 729000 - Near Vision Answer Key

## Testing distance of 16in/40cm

### Distance Equivalents

| Foot    | Meter | Diopters |           | Letter Size | Decimal | LogMAR |
|---------|-------|----------|-----------|-------------|---------|--------|
| 20/400  | 6/120 | 20D      | C O H Z V | 8.0M        | .05     | 1.3    |
| 20/320  | 6/95  | 15D      | S Z N D C | 6.3M        | .063    | 1.2    |
| 20/250  | 6/75  | 12D      | V K C N R | 5.0M        | .08     | 1.1    |
| 20/200  | 6/60  | 10D      | K C R H N | 4.0M        | .10     | 1.0    |
| 20/160  | 6/48  | 8D       | Z K D V C | 3.2M        | .12     | 0.9    |
| 20/125  | 6/38  | 6D       | H V O R K | 2.5M        | .16     | 0.8    |
| 20/100  | 6/30  | 5D       | R H S O N | 2.0M        | .20     | 0.7    |
| 20/80   | 6/24  | 4D       | K S V R H | 1.6M        | .25     | 0.6    |
| 20/63   | 6/19  | 3D       | H N K C D | 1.25M       | .32     | 0.5    |
| 20/50   | 6/15  | 2.5D     | N D V K O | 1.0M        | .40     | 0.4    |
| 20/40   | 6/12  |          | D H O S Z | .80M        | .50     | 0.3    |
| 20/32   | 6/9.5 |          | V R N D O | .63M        | .63     | 0.2    |
| 20/25   | 6/7.5 |          | C Z H K S | .50M        | .80     | 0.1    |
| 20/20   | 6/6   |          | O R Z S K | .40M        | 1.0     | 0.0    |
| 20/16   | 6/4.8 |          | S C N D Z | .32M        | 1.25    | -0.1   |
| 20/12.5 | 6/3.8 |          | N D H K C | .25M        | 1.6     | -0.2   |
| 20/10   | 6/3   |          | V K O R H | .20M        | 2.0     | -0.3   |

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| 20/160  | 6/48  | 8D       | O S D V Z | 3.2M        | .12     | 0.9    |
| 20/125  | 6/38  | 6D       | N O Z C D | 2.5M        | .16     | 0.8    |
| 20/100  | 6/30  | 5D       | R D N S K | 2.0M        | .20     | 0.7    |
| 20/80   | 6/24  | 4D       | O K S V Z | 1.6M        | .25     | 0.6    |
| 20/63   | 6/19  | 3D       | K S N H O | 1.25M       | .32     | 0.5    |
| 20/50   | 6/15  | 2.5D     | H O V S N | 1.0M        | .40     | 0.4    |
| 20/40   | 6/12  |          | V C S Z H | .80M        | .50     | 0.3    |
| 20/32   | 6/9.5 |          | C Z D R V | .63M        | .63     | 0.2    |
| 20/25   | 6/7.5 |          | S H R Z C | .50M        | .80     | 0.1    |
| 20/20   | 6/6   |          | D N O K R | .40M        | 1.0     | 0.0    |
| 20/16   | 6/4.8 |          | H Z S C V | .32M        | 1.25    | -0.1   |
| 20/12.5 | 6/3.8 |          | C K R D Z | .25M        | 1.6     | -0.2   |
| 20/10   | 6/3   |          | R D O N K | .20M        | 2.0     | -0.3   |