

# DOT Eye Test

## Driver information

Name: \_\_\_\_\_ Date of birth: \_\_\_\_\_

Driver's license number: \_\_\_\_\_ Date of test: \_\_\_\_\_

Corrective lenses:      Yes      No

If yes, indicate the type of corrective lens:

## Purpose

The DOT eye test is designed to assess a driver's visual acuity, peripheral vision, and color vision to ensure they meet the vision standards required for safely operating a commercial vehicle. This examination helps identify any visual impairments that may impact a driver's ability to perform their duties safely.

## Visual acuity test

### I. Test procedures:

1. Position the driver 10 feet away from the Snellen chart.
2. The driver should wear their corrective lenses (glasses or contacts) if they typically do.
3. Instruct the driver to cover one eye and read the smallest line of letters they can see clearly.
4. Repeat the process with the other eye and then with both eyes open.
5. Record the results for each eye, with and without corrective lenses if applicable.

### II. Result:

#### Visual acuity

Right eye (OD) vision: \_\_\_\_\_

**Pass:** The driver meets the minimum requirement of 20/40 vision or better in the right eye with or without corrective lenses.

**Fail:** The driver does not meet the minimum vision requirement in the right eye with or without corrective lenses.

Left eye (OS) vision: \_\_\_\_\_

**Pass:** The driver meets the minimum requirement of 20/40 vision or better in the left eye with or without corrective lenses.

**Fail:** The driver does not meet the minimum vision requirement in the left eye with or without corrective lenses.

Both eyes (OU) vision: \_\_\_\_\_

**Pass:** The driver's vision is corrected to 20/40 or better in both eyes.

**Fail:** The driver's corrected vision does not meet the required 20/40 standard with or without corrective lenses.

|                          |    |        |
|--------------------------|----|--------|
| <b>E</b>                 | 1  | 20/200 |
| <b>F P</b>               | 2  | 20/100 |
| <b>T O Z</b>             | 3  | 20/70  |
| <b>L P E D</b>           | 4  | 20/50  |
| <b>P E C F D</b>         | 5  | 20/40  |
| <b>E D F C Z P</b>       | 6  | 20/30  |
| <b>F E L O P Z D</b>     | 7  | 20/25  |
| <b>D E F P O T E C</b>   | 8  | 20/20  |
| <b>L E F O D P C T</b>   | 9  |        |
| <b>F D P L T C E O</b>   | 10 |        |
| <b>P E Z O L C F T D</b> | 11 |        |

## Peripheral vision test

### I. Test procedures:

1. Seat the driver and position yourself about 2 to 3 feet (60 to 90 centimeters) away, directly facing them.
2. Ask the driver to cover one eye and focus on your nose or a central point directly in front of them.
3. Extend your arms to the sides and slowly move your fingers or an object from the periphery toward the center of the driver's visual field.
4. Instruct the driver to indicate when they first see the movement of your fingers or the object in their peripheral vision.
5. Repeat the process for the other eye, ensuring the driver can see at least 70 degrees or more from the center to the side.

### II. Result:

**Right eye peripheral vision (degrees):** \_\_\_\_\_ **Left eye peripheral vision (degrees):** \_\_\_\_\_

**Pass:** The driver has adequate peripheral vision in the right eye, with a field of at least 70 degrees.

**Fail:** The driver's peripheral vision in the right eye is below the required 70 degrees, indicating a restricted visual field.

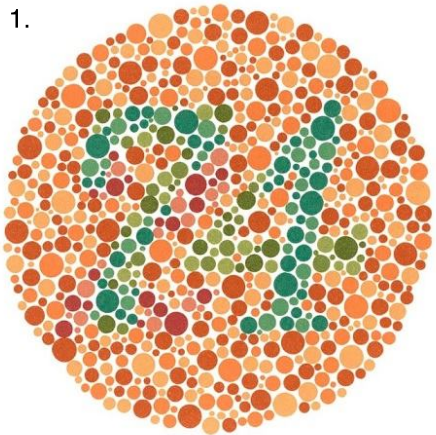
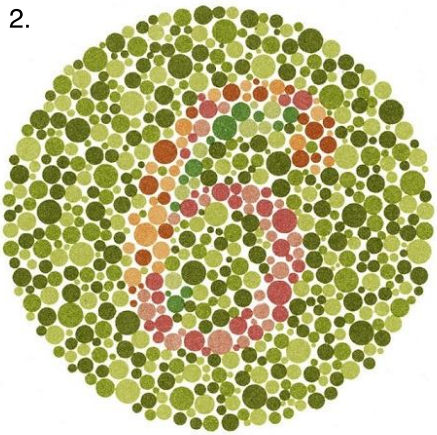
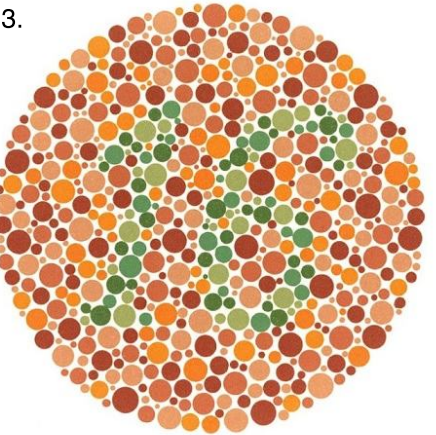
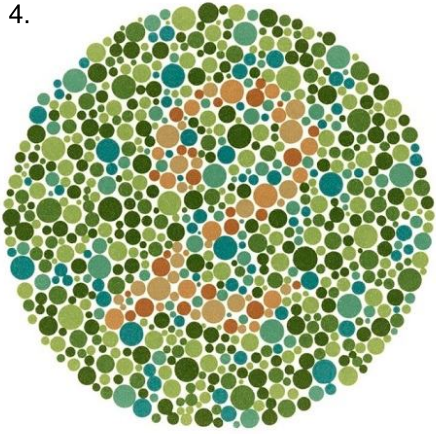
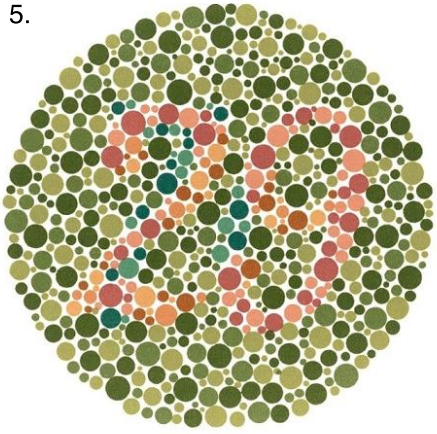
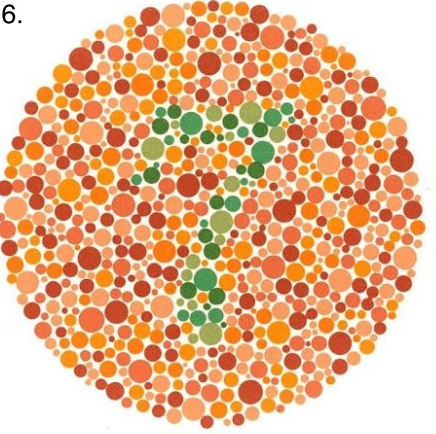
**Pass:** The driver has adequate peripheral vision in the left eye, with a field of at least 70 degrees.

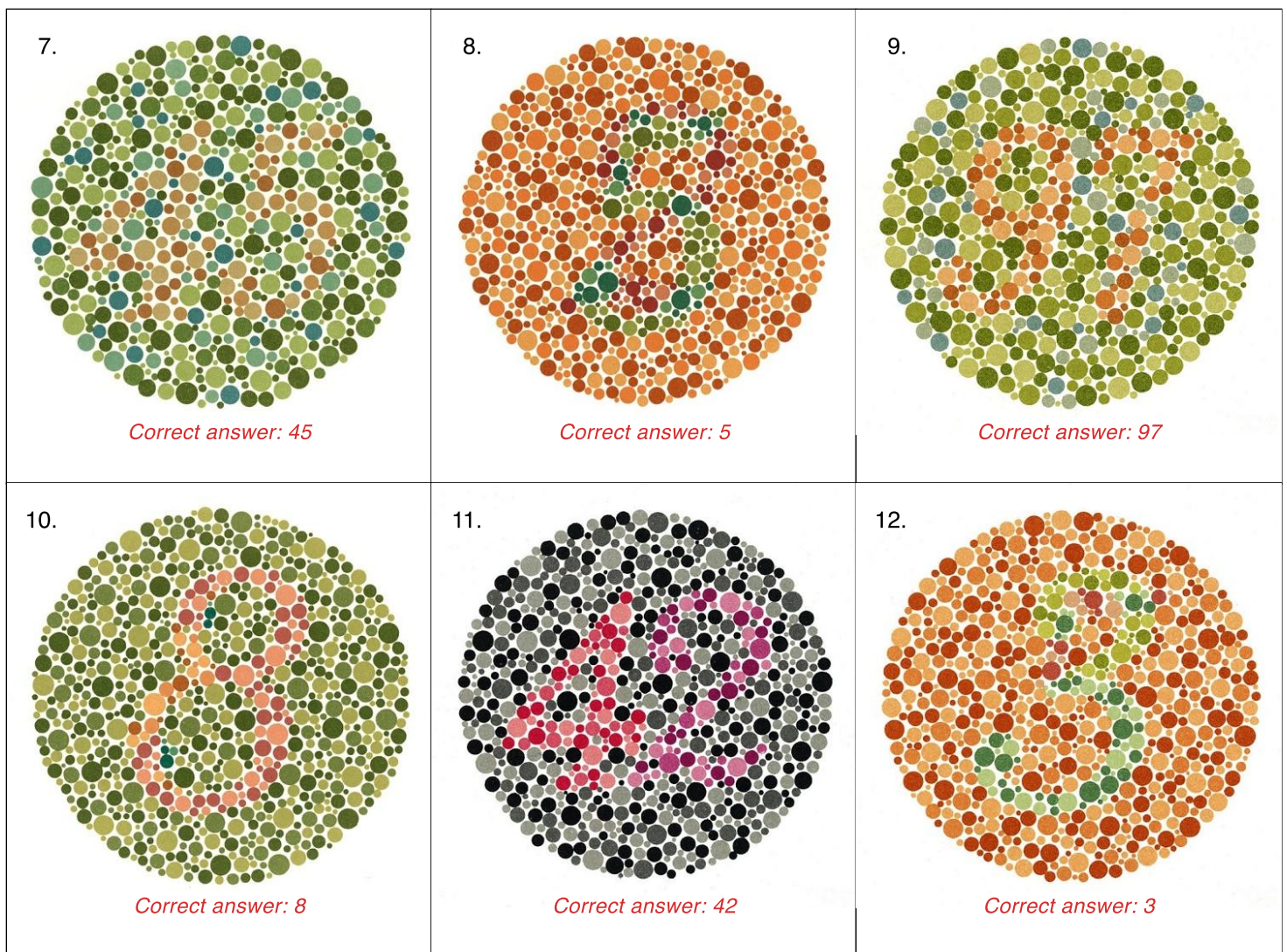
**Fail:** The driver's peripheral vision in the left eye is below the required 70 degrees, indicating a restricted visual field.

## Color vision test

### I. Test procedures:

1. Present the 12 Ishihara color test plates to the driver, one at a time.
2. Ask the driver to identify the numbers or patterns within each plate.
3. Record the driver's responses to determine if there are any color vision deficiencies, particularly red-green color blindness.

|   |   |  |
|---|---|--|
| <p>1.</p>  <p><i>Correct answer: 74</i></p> | <p>2.</p>  <p><i>Correct answer: 6</i></p>  | <p>3.</p>  <p><i>Correct answer: 16</i></p> |
| <p>4.</p>  <p><i>Correct answer: 2</i></p>  | <p>5.</p>  <p><i>Correct answer: 29</i></p> | <p>6.</p>  <p><i>Correct answer: 7</i></p>  |



## II. Result:

**Pass:** The driver correctly identifies at least 10 out of 12 plates, indicating no significant color vision deficiency.

**Fail:** The driver incorrectly identifies 3 or more plates, suggesting a potential color vision deficiency that may require further evaluation.

## Overall test results

### • Visual acuity:

**Pass:** The driver meets the minimum visual acuity requirements in both eyes.

**Fail:** The driver does not meet the visual acuity standards required for safe driving.

### • Peripheral vision:

**Pass:** The driver's peripheral vision is within the acceptable range for both eyes.

**Fail:** The driver's peripheral vision is outside the acceptable range, indicating a potential risk.

### • Color vision:

**Pass:** The driver shows no color vision deficiency.

**Fail:** The driver has a color vision deficiency that could affect their ability to distinguish traffic signals.

### • Meets DOT vision standards:

**Yes:** The driver meets all the vision standards required for DOT certification.

**No:** The driver does not meet one or more of the vision standards and may need further evaluation.

## Additional comments/notes

## Healthcare professional information

Name: \_\_\_\_\_

Signature:  \_\_\_\_\_ Date: \_\_\_\_\_

## References

Colorlite. (2024). *Ishihara test*. <https://www.colorlitenens.com/ishihara-test.html>

Dahl, J. (2008, July 23). *A typical Snellen chart* [Illustration]. Wikimedia Commons. <https://commons.wikimedia.org/w/index.php?curid=4262200>