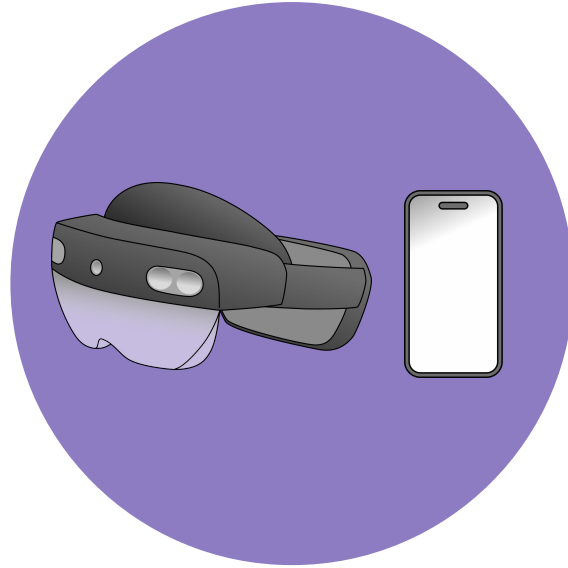
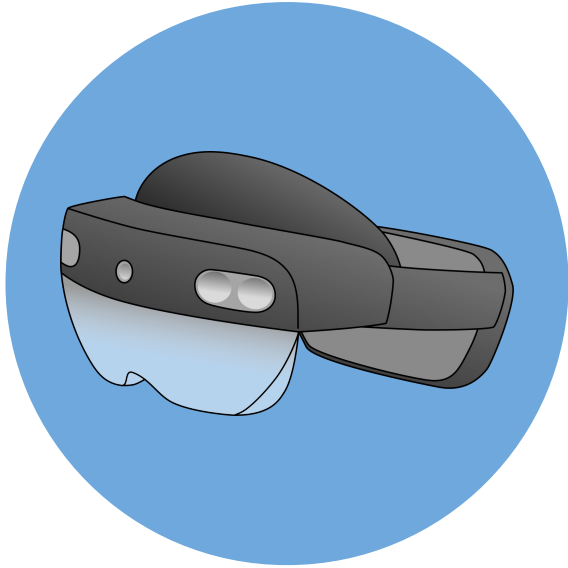
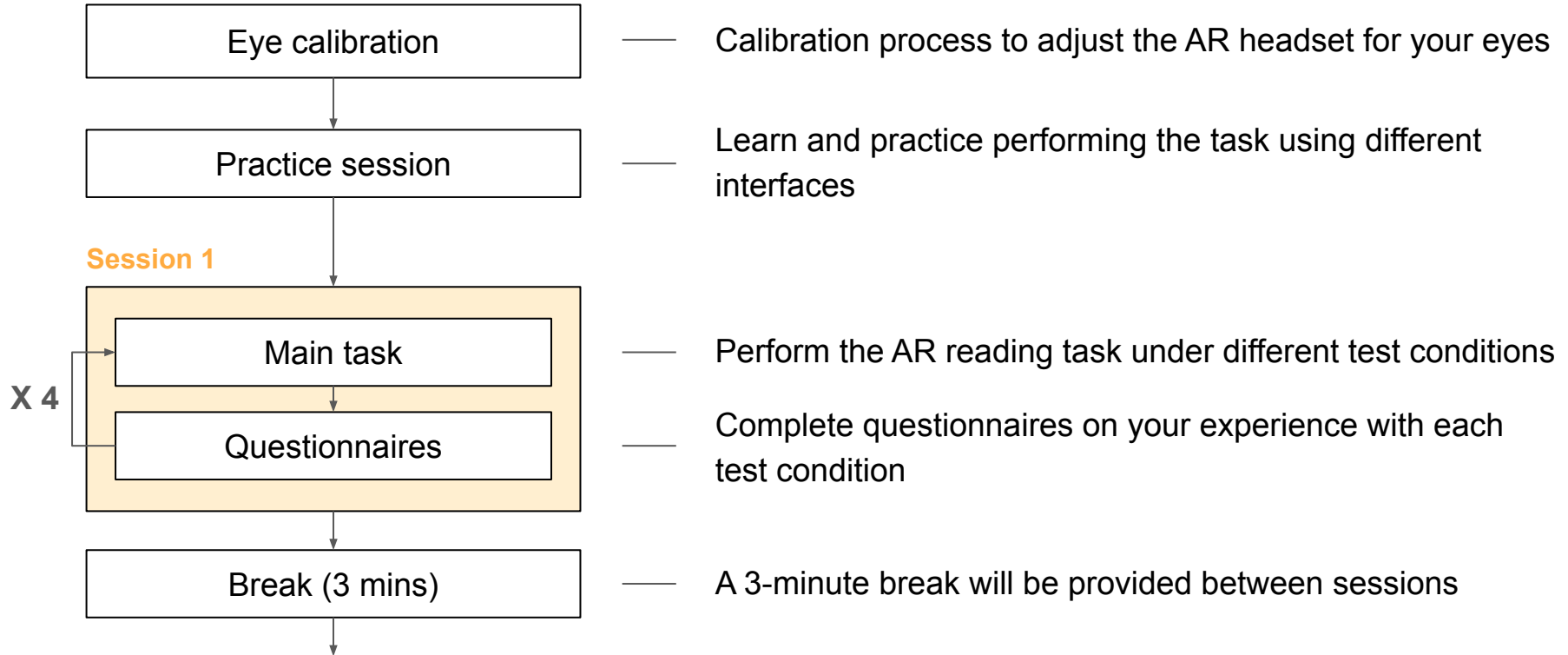


Study Goal

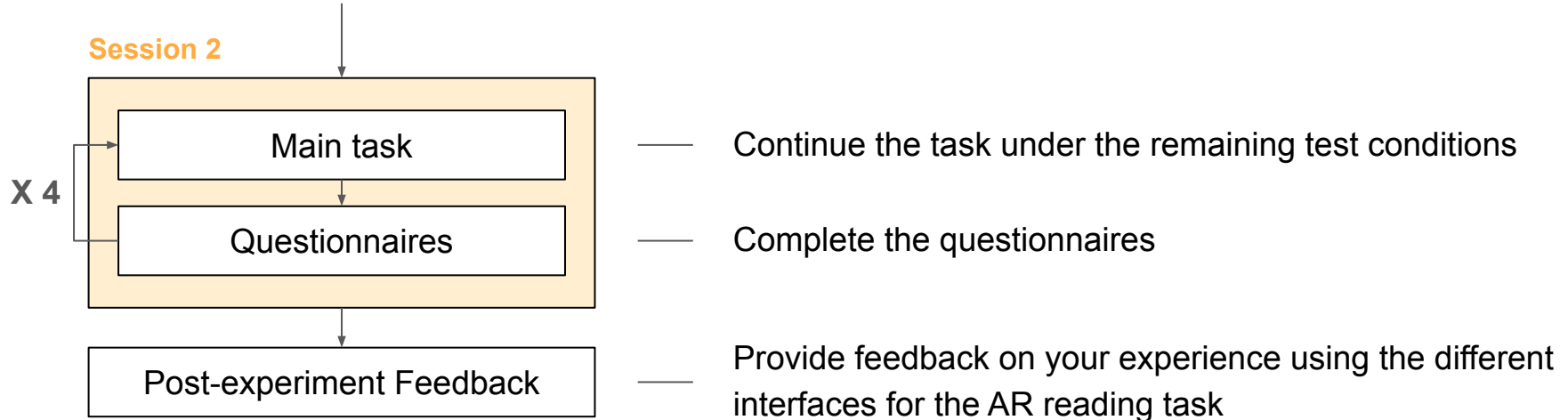
To compare different interfaces for **text reading** in **augmented reality(AR)**



Procedure (~60 mins)



Procedure (~60 mins)



Task

Task Objective: Identify the **number of sentences** in the text that **do not accurately describe** the shapes in the image.



In row 5, column E, there is a triangle with a green outline. In row 7, column D, there is a circle filled with pink. In row 8, column C, there is a triangle filled with blue.

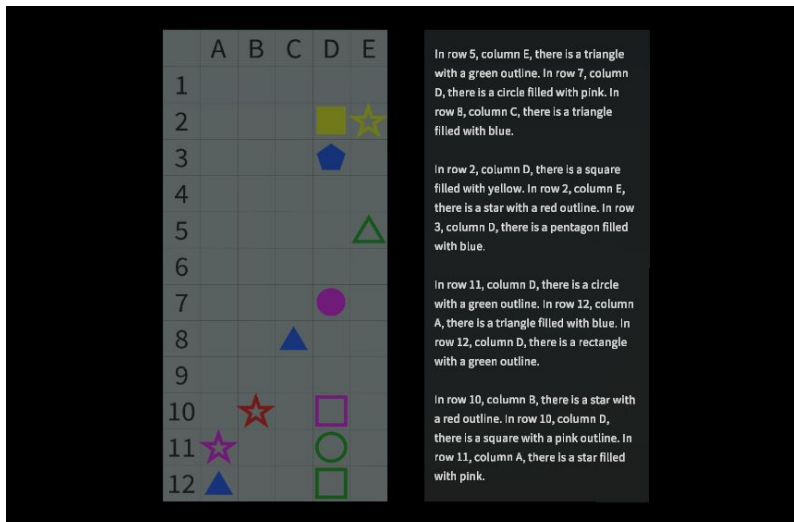
In row 2, column D, there is a square filled with yellow. In row 2, column E, there is a star with a red outline. In row 3, column D, there is a pentagon filled with blue.

In row 11, column D, there is a circle with a green outline. In row 12, column A, there is a triangle filled with blue. In row 12, column D, there is a rectangle with a green outline.

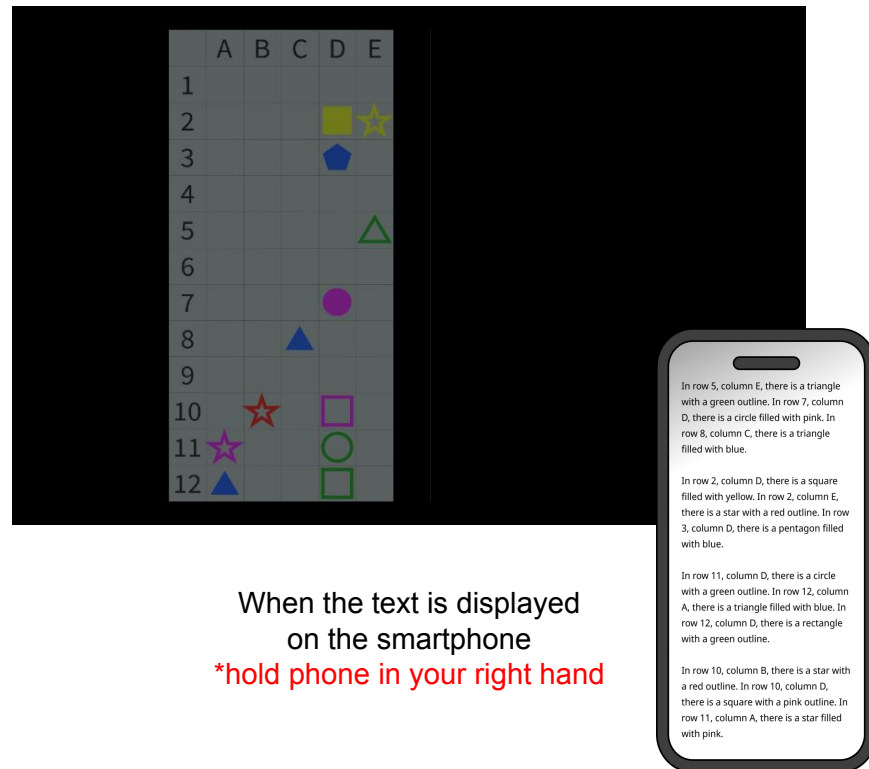
In row 10, column B, there is a star with a red outline. In row 10, column D, there is a square with a pink outline. In row 11, column A, there is a star filled with pink.

Task

1) An **image panel** will be displayed on the left side of the headset, while a **text panel** will appear either on the right side of the headset or on the smartphone, depending on the test condition.



When the text is displayed
on the AR headset



When the text is displayed
on the smartphone

*hold phone in your right hand

Task

2) Compare the image with the text and identify the **number of sentences** in the text that do **not accurately describe** the shapes in the image. (The inaccuracies may involve the **color** or **pattern** of the shapes, with a total of **1–5** incorrect sentences.)



In row 5, column E, there is a triangle with a green outline. In row 7, column D, there is a circle filled with pink. In row 8, column C, there is a triangle filled with blue.

In row 2, column D, there is a square filled with yellow. In row 2, column E, there is a star with a red outline. In row 3, column D, there is a pentagon filled with blue.

In row 11, column D, there is a circle with a green outline. In row 12, column A, there is a triangle filled with blue. In row 12, column D, there is a rectangle with a green outline.

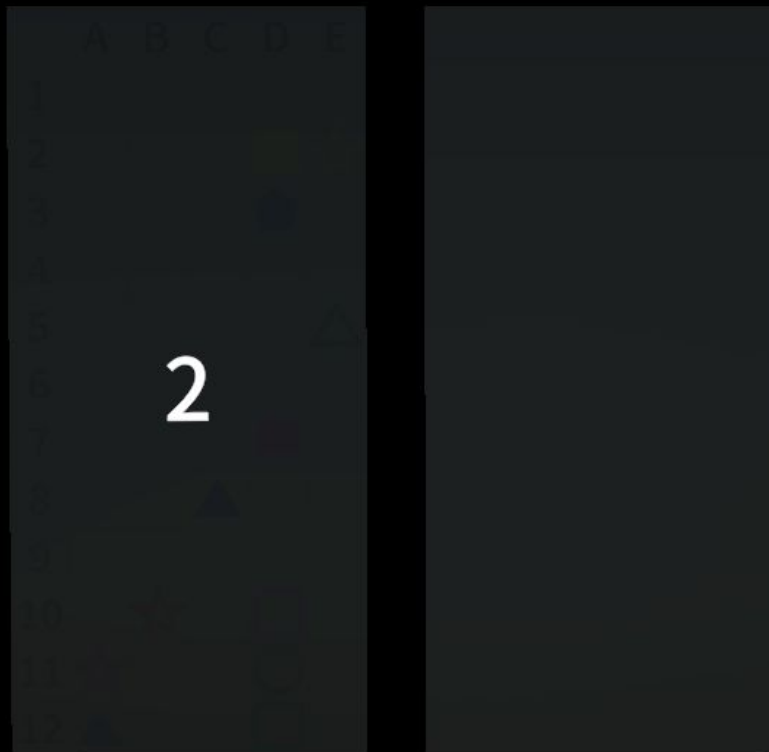
In row 10, column B, there is a star with a red outline. In row 10, column D, there is a square with a pink outline. In row 11, column A, there is a star filled with pink.

① red outline X ⇒ yellow outline O

② filled with pink X ⇒ pink outline O

Task

3) When you finish identifying the incorrect sentences, press **ENTER** on the keypad to **end the trial**. Then, **type in your answer** and press **ENTER** again to submit it and proceed to the next trial. You will repeat the trial **3** times for each test condition.



Important Notes

- Our goal is to understand different interfaces for AR reading tasks, not to evaluate your individual performance.
- You may withdraw from the study at any time.
- Feel free to ask any questions at any point during the study.