

Task pdf

Welcome to our study!
Thank you for participating.

This experiment has 4 blocks. Each block has three parts:

Part A (1-Back) Task

Rest period

Part B (2-Back) Task

We will record your eye movements while you do Part A and Part B.

Part A (1-Back)

In this task, you will view a series of images, one after another.
Your task is to compare each image to the one that came right before it.

You have three possible responses:

Press **j** (SAME) with your index finger if the image is exactly the same as the one just before it.
Press **k** (SIMILAR) with your middle finger if the image is similar but not identical to the one just before it.
Do not press any key if the image is completely new (NEW).

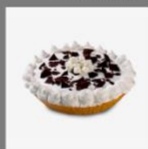
You are always comparing the current image to the one just before it.

Before you begin, here is a demonstration.

Previous Image



Current Image



You would press `j` because it is exactly the SAME.

Previous Image



Current Image



You would press `k` because it is SIMILAR but not identical.

Before each image, you will see a fixation cross.
Please keep your eyes on it.



Please respond as quickly and accurately as you can.
It is also important that you keep your head and body still.
You will have several chances to take breaks.

If you have any questions, please ask the experimenter now.
Otherwise, we will begin with a short practice round.
When you are ready, press g to begin.

Practice Round: Part A (1-Back)

Just to refresh your memory:

Press j (SAME) if the image is exactly the same as the one just before it.
Press k (SIMILAR) if the image is similar but not identical to the one just before it.
Do not press any key if the image is completely new.

You are always comparing the current image to the one just before it.
When you are ready, press g to begin.







Great! You have completed the practice round.
If you have any questions, please find the experimenter.

Upcoming: Part A (1-Back)

Block 1 of 4.

Remember, you are comparing the current image to the one that came just before it.

When you are ready, press g to begin

Wonderful! You have completed Part A of Block 1.

Please use the next 1 minute to relax.

The screen will go blank shortly

Part B (2-Back)

This task is similar, but with one important change.

Your task is now to compare each image to the one from TWO TRIALS AGO.

Therefore, the response rules now are:

Press **j** (SAME) with your index finger if the image is exactly the same as the one from two trials ago.

Press **k** (SIMILAR) with your middle finger if the image is similar but not identical to the one from two trials ago.

Do not press any key if the image is completely new (NEW).

Important: If an image repeats or resembles from only one trial ago, do nothing!

You are only comparing the current image to the one from two trials ago.

Before you begin, here is a brief demonstration.

Two Trials Ago



Previous Image



Current Image



You would press **j** because it is exactly the SAME as the image two trials ago.

Two Trials Ago



Previous Image



Current Image



You would press **k** because it is SIMILAR to the image two trials ago, but not identical.

Please respond as quickly and accurately as you can.
It is also important that you keep your head and body still.
You will have several chances to take breaks.

If you have any questions, please ask the experimenter now.
Otherwise, we will begin with a short practice round.
When you are ready, press *g* to begin.

Practice Round: Part B (2-Back)

Just to refresh your memory:
Press *j* (SAME) if the image is exactly the same as the one from two trials ago.
Press *k* (SIMILAR) if the image is similar but not identical to the one from two trials ago.
Do not press any key if the image is completely new (NEW).

You are always comparing the current image to the one from two trials ago.
When you are ready, press *g* to begin.

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Great! You have completed the practice round.
If you have any questions, please find the experimenter.





You are all done.

Thank you very much for your time and effort!

Please find the experimenter