Study 1: human memory

- Protocol:
  - Several lists of words will be presented (lists will be presented at different rates)
  - After each list is presented, you will be told to either RECALL all the words that you can from the list or do some simple arithmetic problems. Each math/recall sheet will be labeled A or B. The instruction will say:
    - RECALL if A   MATH if B   or
    - MATH if A   RECALL if B
  - After an interval for RECALL or MATH, you will be shown another list …
  - After all lists are finished, there will be some more math followed by a recognition task.
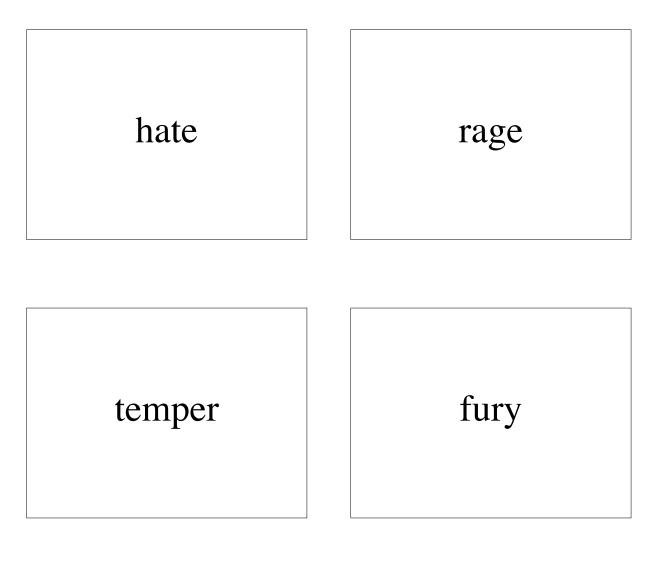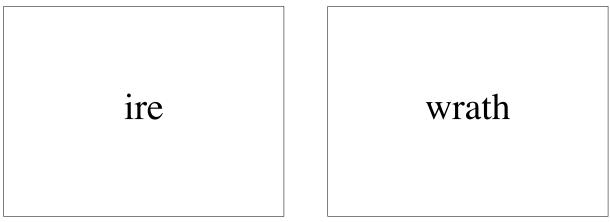
Study 1

- When asked to recall, you should write down the last few items first, and then recall as many others as you can.
- Write down words that you are reasonably sure were on the list (don't guess).
- After finishing a page, do not go back to prior lists.
- Do not look ahead.
- Please turn the pages when told to do so.
- Are there any questions?
- Does everyone have a pencil/pen
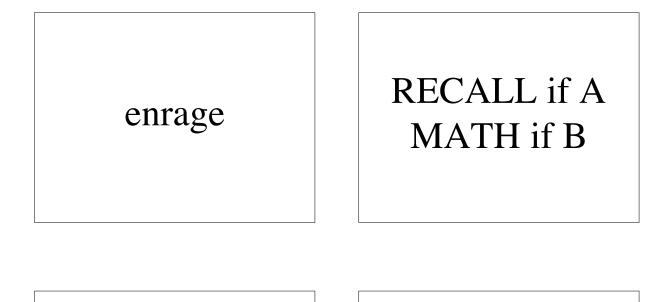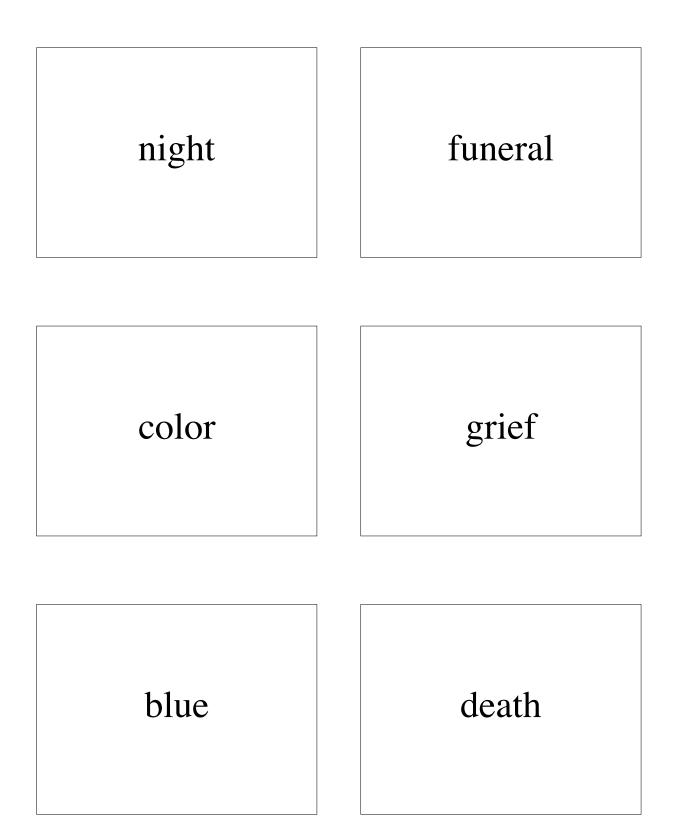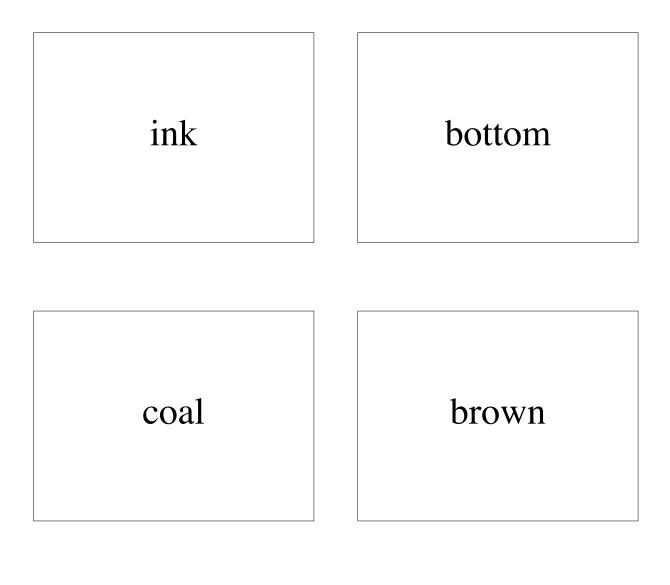
Study 1

- Get ready to begin

List 1

mad

fear

hate

rage

temper

fury

ire

wrath

happy

fight

hatred

mean

calm

emotion

enrage

RECALL if A
MATH if B

GET READY
5

GET READY
4

GET READY
3

GET READY
2

GET READY 1

List 2

white

dark

cat
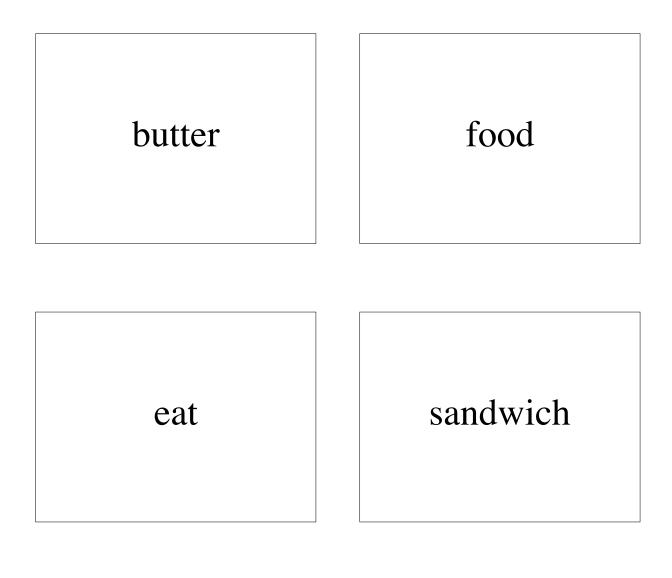
charred

night

funeral

color

grief

blue

death

ink

bottom

coal

brown

gray

MATH if A
RECALL if B

GET READY
5

GET READY
4

GET READY
3

GET READY
2

GET READY
1

List 3

butter

food

eat

sandwich

rye

jam

milk

flour

jelly

dough

crust

slice

wine

loaf

toast

MATH if A
RECALL if B

GET READY
5

GET READY
4

GET READY 3	GET READY 2
GET READY 1	List 4
table	sit

legs	seat
couch	desk
recliner	sofa

wood	cushion
swivel	stool
sitting	rocking

bench

RECALL if A
MATH if B

GET READY
5

GET READY
4

GET READY
3

GET READY
2

GET READY 1

hot

snow

warm

winter

ice	wet
frigid	chilly
heat	weather

freeze

air

shiver

Arctic

frost

RECALL if A
MATH if B

GET READY
5

GET READY
4

GET READY
3

GET READY
2

GET READY
1

List 6

nurse	sick
lawyer	medicine
health	hospital

dentist	physician
ill	patient
office	stethoscope

surgeon

clinic

cure

MATH if A
RECALL if B

GET READY
5

GET READY
4

GET READY
3

GET READY
2

GET READY
1

List 7

shoe

hand

toe	kick
sandals	soccer
yard	walk

ankle	arm
boot	inch
sock	smell

mouth

MATH if A
RECALL if B

GET READY
5

GET READY
4

GET READY
3

GET READY
2

GET READY
1

List 8

apple

vegetable

orange

kiwi

citrus	ripe
pear	banana
berry	cherry

basket

juice

salad

bowl

cocktail
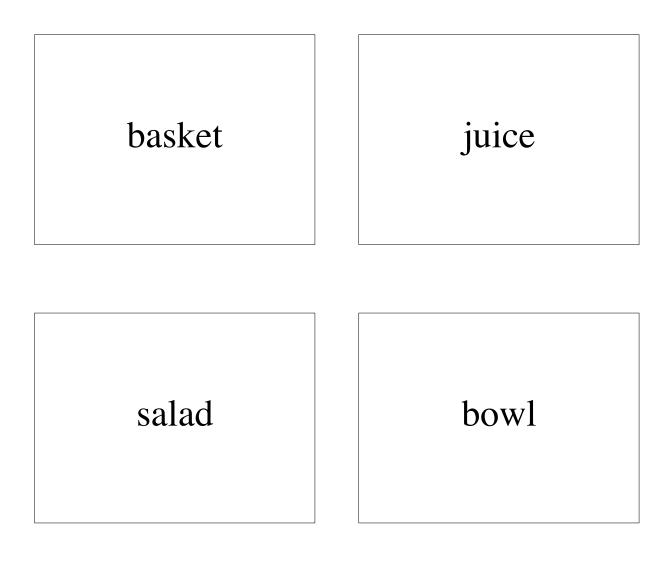
RECALL if A
MATH if B

GET READY
5

GET READY
4

GET READY
3

GET READY
2

GET READY
1

List 9

boy	dolls
female	young
dress	pretty

hair	niece
dance	beautiful
cute	date

aunt

daughter

sister

MATH if A
RECALL if B

GET READY
5

GET READY
4

GET READY
3

GET READY
2

GET READY
1

List 10

low

clouds

up

tall

tower

jump

above

building

noon

cliff

sky

over

airplane

dive

elevate

RECALL if A
MATH if B

GET READY
5

GET READY
4
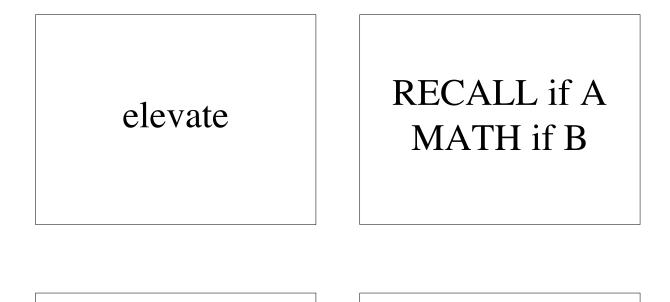
GET READY
3

GET READY
2

GET READY 1

queen

England

crown

prince

George	dictator
palace	throne
chess	rule

subjects

monarch

royal

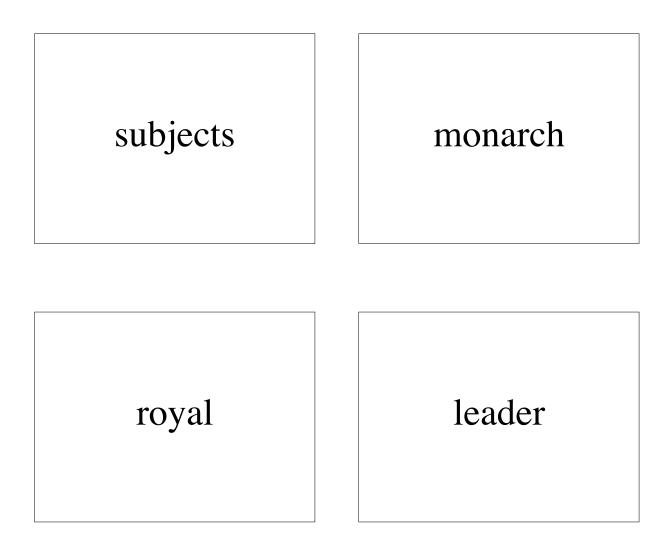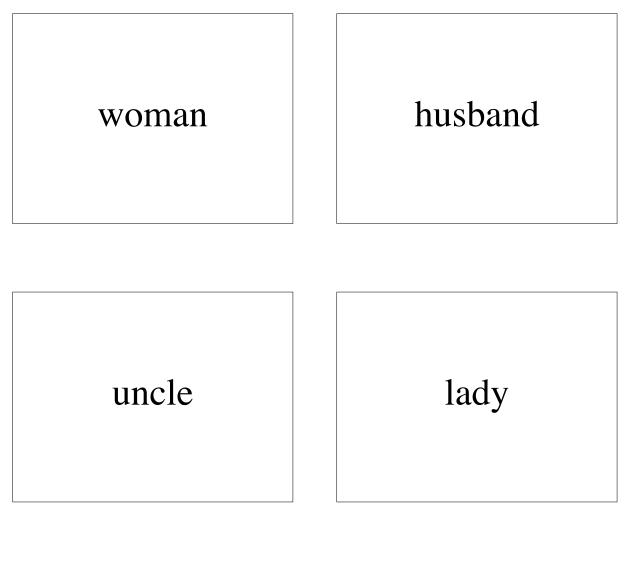leader

reign

RECALL if A
MATH if B

GET READY
5

GET READY
4

GET READY
3

GET READY
2

GET READY
1

List 12

woman	husband
uncle	lady
mouse	male

father	strong
friend	beard
person	handsome

muscle

suit

old

MATH if A
RECALL if B

GET READY
5

GET READY
4

GET READY
3

GET READY
2

GET READY
1

List 13

hill

valley

climb

summit

top

molehill

peak

plain

glacier

goat

bike

climber

range

steep

ski

MATH if A
RECALL if B

GET READY
5

GET READY
4

GET READY
3

GET READY
2

GET READY
1

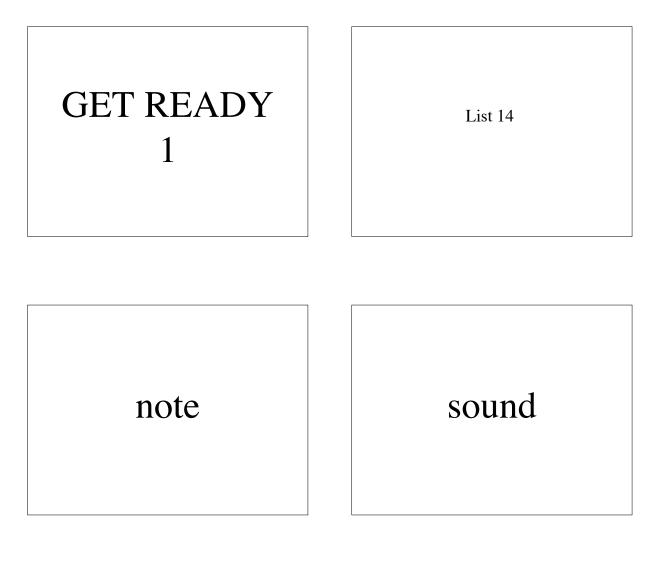note

sound

piano

sing

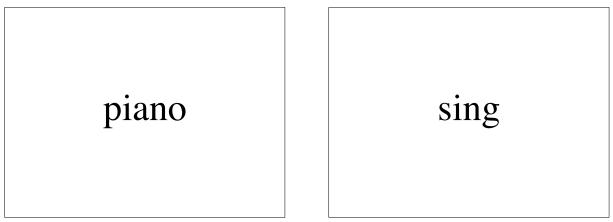|	
radio	band
melody	horn
concert	instrument

symphony

jazz

orchestra

art

rhythm

RECALL if A
MATH if B

GET READY
5

GET READY
4

GET READY
3

GET READY
2

GET READY
1

List 15

thread	pin
eye	sewing
sharp	point

prick	thimble
haystack	thorn
hurt	injection

syringe

cloth

knitting

RECALL if A
MATH if B

GET READY
5

GET READY
4

GET READY
3

GET READY
2

GET READY
1

List 16

water

stream

lake	Mississippi
boat	tide
swim	flow

run

barge

creek

brook

fish

bridge

winding

MATH if A
RECALL if B
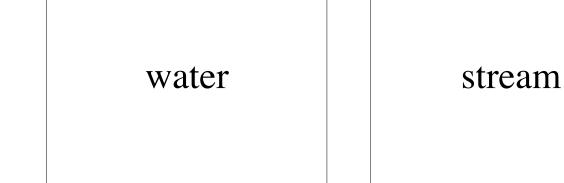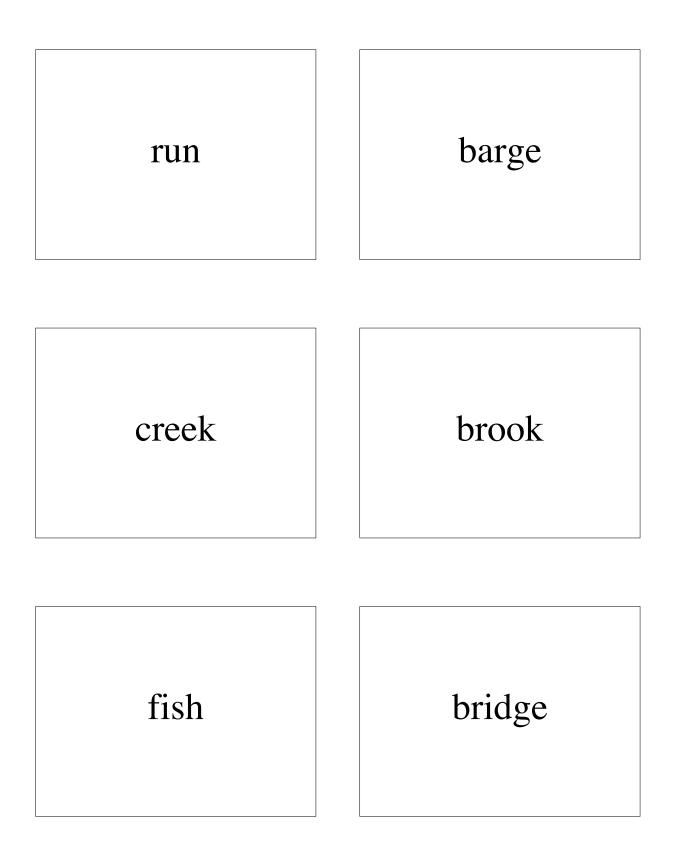
GET READY
5

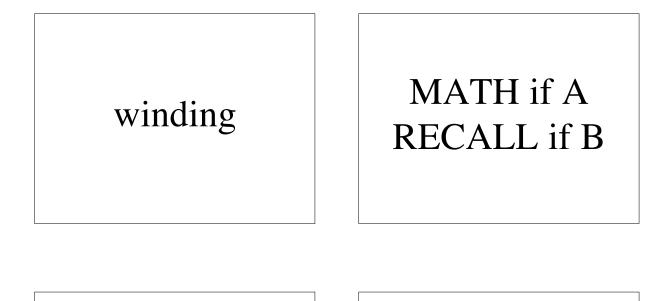GET READY
4

GET READY
3

GET READY
2

GET READY
1

Turn the Page
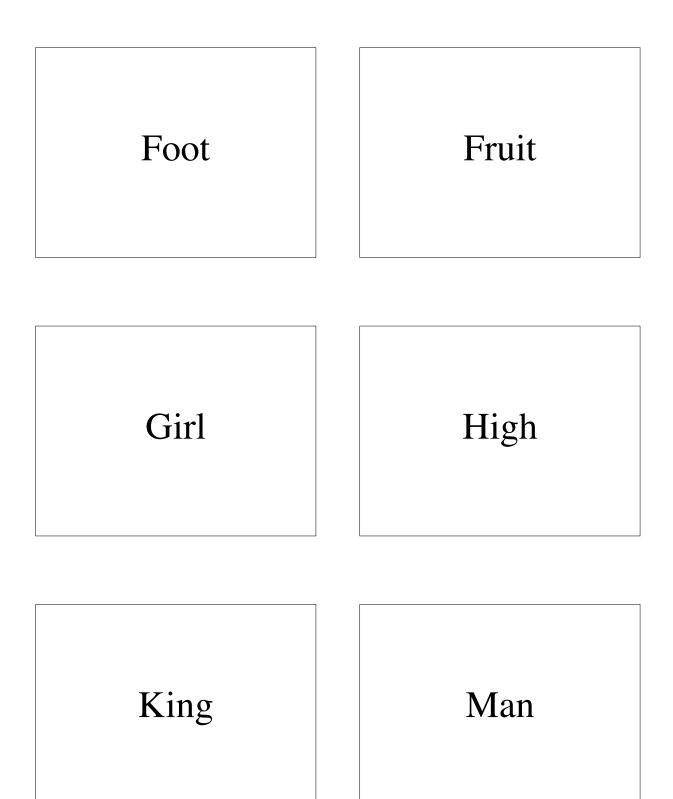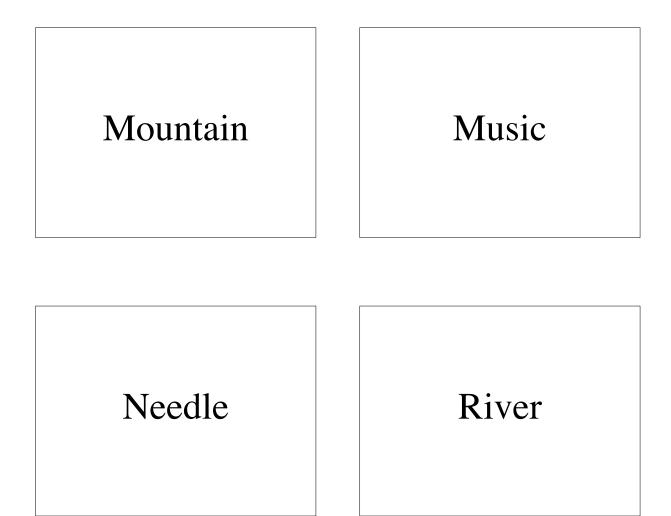
Do the Math
problems

STOP

Recognition task

For each word on the list you should circle
whether it is a "new word" (one that was not
presented during the study trials) or an "old word"
(one that was presented on the study trials. For
the old words, you should also mark whether you
"remember" it (you have a recollection of the
word being presented) or whether you "know " it
(although you don't have a vivid recollection of
the word being presented, you are sure that it was
on the list).

Mark if these
words were
presented

Anger	Black
Bread	Chair
Cold	Doctor

Foot	Fruit
Girl	High
King	Man

Mountain

Music

Needle

River

Thank you