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ABSTRACT Provided is a collection of activities for use with  
elementary level students who manifest perceptual handicaps. Some  
physical fitness stunts and visual and auditory assessment checklists  
are included with the pencil and paper exercises. (IM)

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XAVIER UNIVERSITY

IDENTIFICATION

EVALUATION and

REMIEDIATION

of

Perceptually Handicapped

Children

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The Marianne Frostig Center  
of Educational Therapy

EC 092992

## ATTRIBUTES OF MOVEMENT\*

COORDINATION AND RHYTHM - THE SIMULTANEOUS AND COORDINATED USE OF SEVERAL MUSCLES OR MUSCLE GROUPS. RHYTHM DENOTES FLOWING, MEASURED, BALANCED MOVEMENT

AGILITY - THE ABILITY TO INITIATE MOVEMENT, CHANGE DIRECTION, OR OTHERWISE ADJUST POSITION, SPEEDILY.

FLEXIBILITY - THE ABILITY TO MOVE PARTS OF THE BODY EASILY IN RELATION TO EACH OTHER WITH MAXIMUM JOINT EXTENSION AND FLEXION.

STRENGTH - THE FORCE EXERTED WITH THE WHOLE BODY OR WITH PARTS OF IT.

SPEED - THE TEMPO ACHIEVED DURING A MOVEMENT SEQUENCE.

BALANCE - THE ABILITY TO MAINTAIN A POSITION WITH MINIMAL CONTACT WITH A SURFACE.

STATIC - BALANCE IN WHICH THE SURFACE IS STABLE AND THE PERSON IS NOT MOVING.

DYNAMIC - THE ABILITY TO MAINTAIN A POSITION ON A MOVING SURFACE.

OBJECT - THE ABILITY TO USE A MINIMAL SURFACE TO SUPPORT AN OBJECT WITHOUT LETTING IT FALL.

ENDURANCE - THE ABILITY TO SUSTAIN PHYSICAL ACTIVITY AND RESIST MUSCULAR FATIGUE. (DO NOT RATE CHILDREN UNDER EIGHT YEARS OF AGE.)

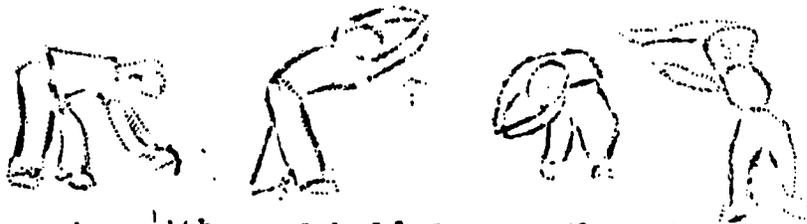
BODY AWARENESS - AN AWARENESS OF "THE BODY AS IT IS FELT."

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## FITNESS STUNTS FOR FLEXIBILITY

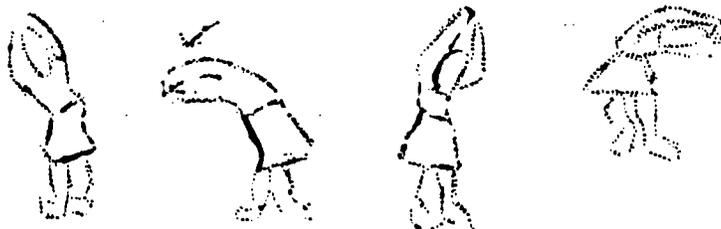
### Elephant



1. Bend at the waist with head held down. Clasp hands and hold them straight down to form the trunk of an elephant.
2. Hold arms rigid and twist body from side to side.

Suggestion: Many other animals may be easily imitated such as rabbits, dogs, frogs, kangaroos, and horses.

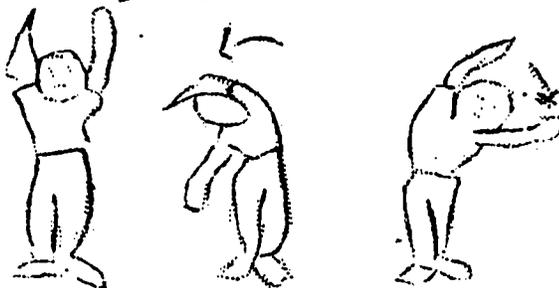
### Windshield Wiper



1. Stand with arms over head, palms together to resemble a windshield wiper.
- 2-4. Bend from side to side at the waist to wipe the windshield clean.

Suggestions: To get the children to bend more, tell them they are cleaning a very big windshield.

### Swaying Tree

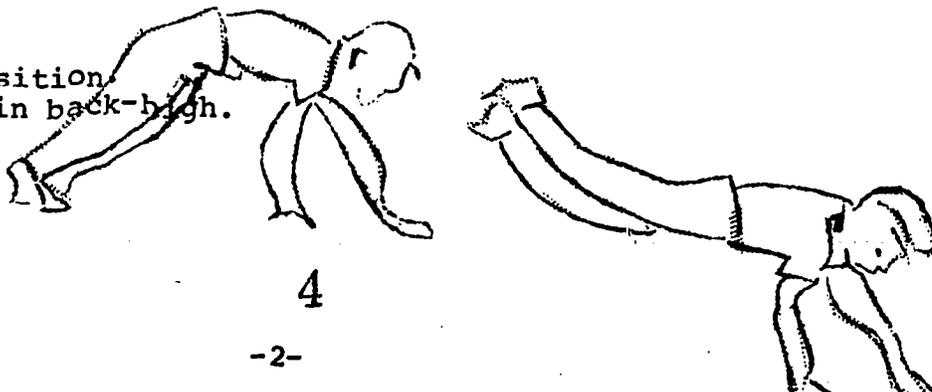


1. Stand with arms outstretched above head to represent the limbs of a tree.
- 2-3. The tree sways in the wind!

## FITNESS STUNTS FOR ARM AND SHOULDER STRENGTH

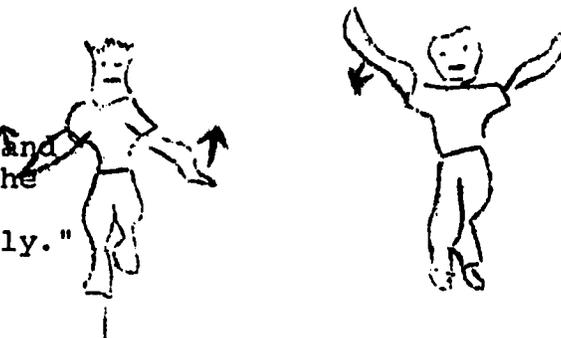
### Mule Kick

Assume all fours position.  
Kick both legs out in back-high.



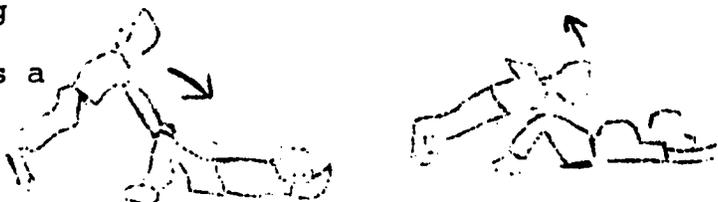
### Eying Bird

1. Stand erect with arms held straight.
2. Keep arms straight and move them up and down forcefully, meanwhile bending the knees slightly in a rhythmic motion. Children may move forward as they "fly."



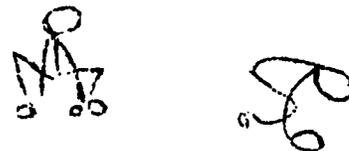
### Partner Push-Up

1. Prepare position as shown.
2. Push-up from knees, keeping back straight. Change positions so other person has a turn.



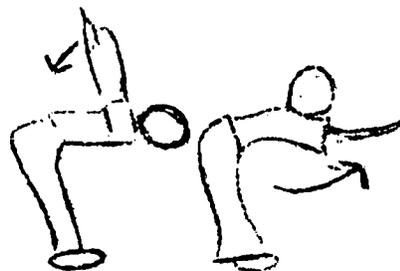
### Frog Hand Stand

Squat with hands flat on the floor, elbows inside knees and pressed against them. Lean forward slightly, transferring the body weight onto the hands and elbows until the feet swing clear of the floor. Keep head well up and point toes backward. If balance forward is lost, student goes into forward roll.



### The Swinging "L"

1. Start as shown, standing with feet slightly apart.
2. Swing arms to horizontal, raising head, keeping back straight, and knees straight.



### Turn Under

Partners (of approximately the same size) join both hands. Swing both arms in an upward arc. Start turning the body in the same direction the arms are swung. Continue turning until both are back to original position. Hands are kept joined the entire time.



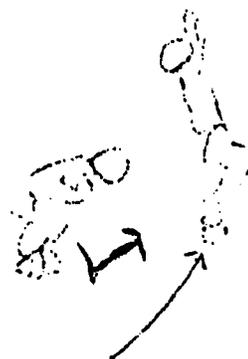
## FITNESS STUNTS FOR LEG STRENGTH AND AGILITY

### Missile- Man

Cross arms, chest high. Squat down. Jump up into air, extending one leg forward on landing.

Some may respond by falling-they should be encouraged to get weight directly over legs and to jump up before extending leg. Some may unclasp arms; this may help maintain balance and makes no difference.

Variations : To a series, turning in a circle. Extend leg sideward. Do combinations of forward and sideward leg extensions. Might be called Bottle-Capping if done in a series.



### Jump and Touch Heels

From a standing position, jump up in the air, bending knees and extending lower legs to the rear. Reach back with hands and slap heels while in air.



## FITNESS STUNTS FOR FLEXIBILITY

### Thread the Needle

From a standing position, bend over at the waist, lock hands in front. Step through with one foot, then the other. Step back.



## APPARATUS ACTIVITIES

Low Chining Bar. Objective : to develop increased muscular control, arm, shoulder and stomach strength.

Activities : (1) Modified Up11 Up-Stand facing bar, grasp bar with palm down grip, bend at knees and walk under bar while maintaining grasp ending up in position of arms extending and perpendicular to floor and back straight, legs bent at knees. Then pull up with arms until chin touches bar. Do this as many times as possible. (2) Stand at one end of chinning bar, crouch under bar and grasp bar with both hands (one on either side). Using a hand over hand method, the body is pulled by the hands from one end of the chinning bar to the other with the legs and feet dragging. (3) Teacher draws line on the floor about two feet from one end of bar, continuing line along length of bar but increasing the distance from the bar. The participant places both hands on the bar and extends body until feet are on other side of line. He then moves hands and feet from one end of bar to other trying to keep the feet on the outside of the line. The line can be redrawn to accommodate different sizes of participants. (4) Skin the Cat - Grasp bar with palms down grip, bend knees until arms are extended, swing legs up in front of and between arms and drop to ground on feet. (5) Forward

turn-face bar, grasp with both hands, jump up on bar with weight supported by stomach, reverse grip so that palms are under bar with thumbs pointed outward, roll forward and under bar swinging legs over and to the ground. Teacher should help the first few times this is tried.

Horizontal Ladder. (1) Two hands grasping first rung, swing and reach forward with one hand to next rung and then bring rear hand forward so that both hands are grasping second rung. (2) Swing from one rung to next, using only one hand on each rung. (3) Same, except skip a rung. (4) Hang by both hands, but with palm of left hand facing body. Release right hand and rotate the body by swinging the right arm backward and around to catch the next rung ahead. Reverse this procedure by swinging left arm backward and around and so on to end of ladder. (5) Side traveling--grasp one side of ladder with both hands and slide one hand at a time to end of ladder. (6) Forward traveling--using outside bars grasp both side bars and move first one hand and then the other in small steps until the far end is reached.

When dropping to the ground from the apparatus the legs should be bent at the knees to absorb shock.

Balance Beam. Objective: To strengthen the ankles and leg muscles and to develop balance, poise, and correct placement of feet in walking. Activities: (1) Start at end of beam and walk forward to other end. (2) Same, except turn at other end and walk back to starting point. (3) Walk to middle, bend to squatting position, come back to erect position, and continue walking to end of beam. (4) Walk sideways from one end to other. (5) Walk from one to other in a crouched position. (6) Walk to end of beam, balance on one foot and extend arm sideways and one leg up a foot or two above the beam (airplane).

Notes on Use of Balance Beam: (a) Teacher must organize activity around balance beam or children will lose interest in a short time, (b) beam should be marked off in feet -- this makes it possible to organize an achievement program with any number of children. Numerous types of contacts can be developed that will motivate children to use the beam frequently.

#### SKILLS TO BE INTEGRATED WITH A VISUAL PERCEPTION WORKSHEET

All areas of visual perception  
Three-dimensional activities  
Body awareness  
Verbal expression  
Visual reception  
Visual memory  
Auditory memory  
Concept formation  
Auditory discrimination  
Movement  
Imagery

Following directions  
Following a logical sequence  
Visual sequential memory  
Reading and phonics  
Number  
Similarities and differences  
Opposites  
Analogies  
Nonsense statements  
Speaking in complete sentences  
"not" sentences

## Visual Training : Checklist

An alert classroom teacher will have much evidence that a child is having visual problems. Among the most common observable indicators which are readily picked up in the classroom are these :

- |  |   |
|--|---|
| ( ) Unusual fatigue or restlessness after maintaining visual concentration | ( ) Complains of seeing double  |
| ( ) Complains of letters or lines "running together" or "jumping around"   | ( ) Repeatedly omits "small" words  |
| ( ) Complains of blur while reading or writing                             | ( ) Slowness in copying from the chalkboard; or makes errors in copying from reference books to notebook        |
| ( ) Blinks excessively   | ( ) Large pupils in normal light  |
| ( ) Frowns, scowls, or squints   | ( ) Excessive squinting from bright light   |
| ( ) Holds book closer than normal  | ( ) Poor eye-hand coordination  |
| ( ) Moves head while reading   | ( ) Writes crookedly; work is poorly spaced   |
| ( ) Covers or closes one eye   | ( ) Uses finger or marker to guide eyes   |
| ( ) Avoids close work  | ( ) Skips words or sentences  |
| ( ) Has short attention span   | ( ) Rereads lines or phrases  |
| ( ) Tilts head to one side   | ( ) Confusion of similar words  |
| ( ) Rubs eyes frequently   | ( ) Says words aloud or moves lips; reads too slowly  |
| ( ) Rests head on his arm when writing                                     | ( ) Misaligns both horizontal and vertical series of numbers  |
| ( ) Assumes improper or awkward posture while reading or writing           | ( ) Repeatedly confuses right-left directions   |
| ( ) Thrusts head forward or backward while looking at distant objects      | ( ) Fails to recognize same word in next sentence or different book   |
| ( ) Turns one eye in or out at anytime; cannot converge                    | ( ) Comprehension poorer as reading continues or loses interest quickly; poor ability to remember what is read. |
| ( ) Excessive tearing of the eyes, frequent styes, reddened eyes or lids   |   |
| ( ) Headaches in forehead or temples                                       |   |
| ( ) Slowness in all schoolwork; unusual awkwardness                        |   |

## VISUAL PERCEPTION

- 1) Circle five areas of visual perception:
- |                        |                   |                   |
|------------------------|-------------------|-------------------|
| visual acuity          | figure ground     | shadowing         |
| eye-motor coordination | spatial relations |                   |
| form constancy         | eye-tracking      | position in space |
- 2) A visual perceptual problem means that you
- a) do not have 20-20 vision
  - b) are mentally retarded
  - c) need glasses
  - d) cannot get meaning from what your eyes see
- 3) The normal period of maximum visual perceptual development ranges from about:
- |                   |                        |
|-------------------|------------------------|
| a) 6 mo. - 1 year | c) 3 1/2 - 7 1/2 years |
| b) 2-6 years      | d) 7 - 11 years        |
- 4) The area of visual perception involving the ability to focus on the most important stimuli you see is:
- |                           |                       |
|---------------------------|-----------------------|
| a) eye-motor coordination | c) visual flexibility |
| b) figure ground          | d) shadowing          |
- 5) The area of visual perception involving the ability to perceive the position of two or more objects in relation to each other is
- |                      |                       |
|----------------------|-----------------------|
| a) position in space | c) visual flexibility |
| b) spatial relations | d) form constancy     |
- 6) The area of visual perception involving the ability to combine sight with movements of the body is:
- |                           |                   |
|---------------------------|-------------------|
| a) eye-tracking           | c) shadowing      |
| b) eye-motor coordination | d) form constancy |
- 7) The area of visual perception involving the ability to recognize an object even if its shape, position, or size has been altered is:
- |                      |                   |
|----------------------|-------------------|
| a) position in space | c) form constancy |
| b) spatial relations | d) visual acuity  |
- 8) The area of visual perception involving the ability to perceive an object as being behind, above, below, etc. of oneself is:
- |                      |                      |
|----------------------|----------------------|
| a) position in space | c) visual acuity     |
| b) spatial relations | d) shadow perception |
- 9) Unusual and improper pencil grasp could indicate a problem in:
- |                   |                           |
|-------------------|---------------------------|
| a) form constancy | c) eye-motor coordination |
| b) figure ground  | d) visual acuity          |
- 10) To train the problem in #9, an activity that would not be helpful is:
- |                     |                         |
|---------------------|-------------------------|
| a) riding a bicycle | c) hanging clothes pins |
| b) cutting          | d) bead stringing       |

- 11) Omissions of letters or words while reading aloud or silently could indicate a problem in :
  - a) flexibility
  - b) shadowing
  - c) form constancy
  - d) figure ground
- 12) To train the problem in #11, an activity that would not be helpful is :
  - a) sorting objects
  - b) using fine print texts
  - c) writing words in different colors
  - d) finding specific objects in the room
- 13) Visual confusion (u for n, d for b, etc.) could indicate a problem in :
  - a) position in space
  - b) spatial relations
  - c) figure ground
  - d) visual acuity
- 14) To train the problem in #13, an activity that would not be helpful is :
  - a) scrambled letter activities
  - b) identifying right and left
  - c) learning cursive as soon as possible
  - d) using a weighted arm band
- 15) When copying from the board or reading aloud, reversals of letter order in words (was for saw) could indicate a problem in :
  - a) shadowing
  - b) spatial relations
  - c) form constancy
  - d) position in space
- 16) To train the problem in #15, an activity that would not be helpful is :
  - a) pairing words to be learned in a lesson (was, saw)
  - b) copying block patterns
  - c) Geo-board activities
  - d) mirror pattern activities
- 17) Please indicate any areas of work in the classroom where you feel I could be of help? \_\_\_\_\_

### HANDOUT FOR LECTURES ON AUDITORY PERCEPTION TRAINING

#### TERMS USED IN DISCUSSION OF AUDITION:

- 1) AUDITORY ACUITY: MEASURE OF SENSITIVITY OF THE EAR TO SOUND. CHILD'S ABILITY TO HEAR SOUND.
- 2) AUDITORY PERCEPTION: ABILITY TO INTERPRET AUDITORY STIMULI. SET OF VARIABLES THAT INTERVENE BETWEEN SENSORY STIMULUS AND AWARENESS. PROCESS OF DISCRIMINATION AMONG STIMULI AND THEIR INTEGRATION AT A CORTICAL LEVEL INTO MEANINGFUL PATTERNS. (OSGOOD, 1959)
- 3) AUDITORY ATTENTION: SELECTION OF CERTAIN ASPECTS OF THE AUDITORY STIMULUS. FOCUSING AND NARROWING INCOMING STIMULI. AUDITORY ATTENTION AFFECTED BY:
  - A) PHYSICAL CHARACTERISTICS: INTENSITY, FREQUENCY
  - B) LANGUAGE CHARACTERISTICS: MEANINGFULNESS, LINGUISTIC PROBABILITY.

SELECTIVE AUDITORY ATTENTION: ABILITY TO FOCUS ON PARTICULAR STIMULUS (E.G. SPEECH VS. BACKGROUND) IN ORDER TO SEPARATE FIGURE FROM GROUND.

4) AUDITORY DISCRIMINATION: ABILITY TO DISCERN FINE DIFFERENCES IN AUDITORY STIMULI.

5) AUDITORY LOCALIZATION: THE ABILITY TO LOCATE SOURCE OF SOUND.

6) AUDITORY SKILLS:

- A) AWARENESS: WAS THERE SOUND?
- B) FOCUS. WHERE WAS IT?
- C) FIGURE GROUND: WAS THERE MORE THAN ONE SOUND?
- D) DISCRIMINATION: WERE THE SOUNDS THE SAME?
- E) SEQUENCING AND SYNTHESIZING: WHAT WAS THE SEQUENCE OF SOUNDS? WHAT WAS THE LENGTH OF TIME BETWEEN THE SOUNDS?
- F) SCANNING: HAVE I HEARD THAT SOUND BEFORE? WHERE HAVE I HEARD IT?
- G) CLASSIFICATION: WHAT DO SOUNDS AND WORDS MEAN?
- H) AUDITORY MEMORY

### EXAMPLES OF THE COLOR CODING METHOD

COLOR CODING HAS PROVED HELPFUL IN TEACHING READING AND SPELLING TO CHILDREN WITH DISABILITIES IN SPATIAL RELATIONS AND VISUAL SEQUENCING. IN THE METHOD USED AT THE FROSTIG CENTER, THE SAME COLOR IS NOT USED CONSISTENDLY FOR A PARTICULAR SOUND, BUT RATHER A COLOR CHANGE DENOTES A CHANGE OF SOUND.

TEACHERS MAY WRITE SHORT VOWELS IN RED AND LONG VOWELS IN GREEN. DIPHTHONGS AND DIGRAPHS ARE WRITTEN IN JUST ONE COLOR SILENT LETTERS ARE STIPPLED.

*cat* (EACH SOUND IN A DIFFERENT COLOR)

*book* (OO, A DIPHTHONG, IS HEARD AS THE SAME SOUND)

*phonic* (DIGRAPHS ARE WRITTEN IN ONE COLOR)

*come* (SILENT LETTERS ARE STIPPLED)

THE COLOR CUE METHOD CAN BE USED FOR STUDY OF SYLLABIFICATION, PREFIXES AND SUFFIXES:

*working*  
*disenchanted wonderful*

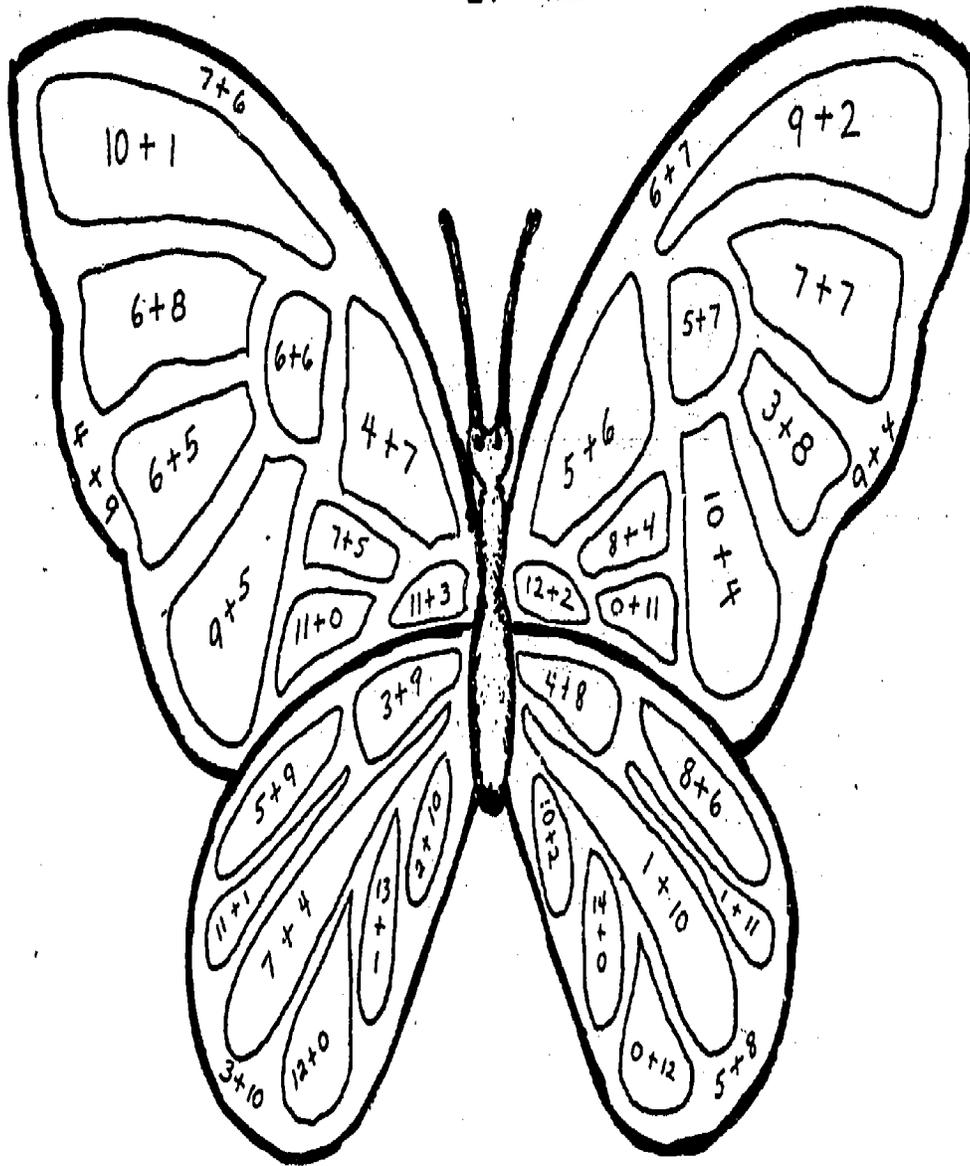
AFTER THE WORD IS ANALYZED AND PRESENTED IN COLOR, THE TRANSFER TO ONE COLOR MUST BE MADE IMMEDIATELY SO THAT THE CHILD WILL LEARN TO SYNTHESIZE THE WORD AND RECOGNIZE IT AS A WHOLE. THE TEACHER MAY COLOR CODE ONE SIDE OF A FLASH CARD AND WRITE THE WORD IN ALL BLACK ON THE BACK.

11 - YELLOW

12 - ORANGE

13 - BROWN

14 - RED



EXAMPLE A

EXAMPLE B

a	ㄸ	h	ㄸ	o	ㅍ	v	ㅍ
b	ㄸ	i	ㄸ	p	ㅍ	w	ㅍ
c	ㄸ	j	ㄸ	q	ㅍ	x	ㅍ
d	ㅍ	k	ㅍ	r	ㅍ	x	ㅍ
e	ㅍ	l	ㄸ	s	ㅍ	z	ㅍ
f	ㅍ	m	ㅍ	t	ㅍ		
g	ㅍ	n	ㅍ	u	ㅍ		

ㅍㅍㅍㅍ ㅍㅍ ㅍㅍㅍ

-----

ㅍㅍㅍㅍㅍㅍ ㅍㅍㅍㅍㅍ ㅍ

-----

ㅍㅍㅍㅍ ㅍㅍㅍㅍㅍ ㅍㅍㅍㅍㅍ

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EXAMPLE C

A = SHAPE

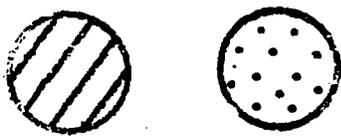
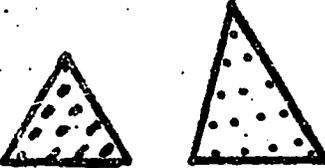
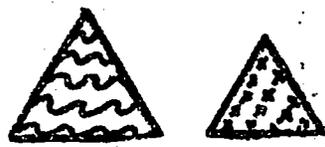
B = SIZE

C = PATTERN

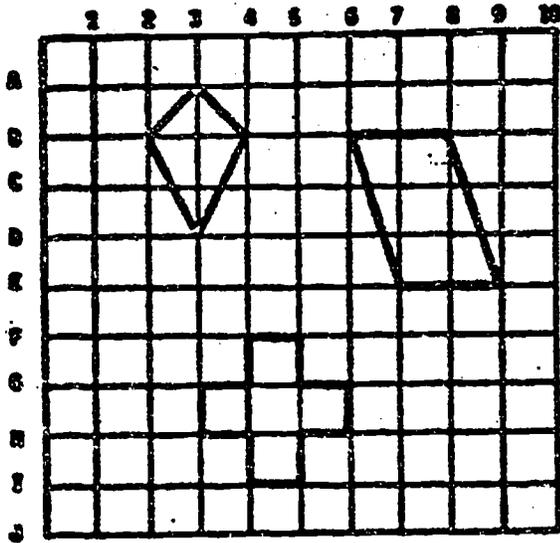
1 = SAME

2 = DIFFERENT

3 = SIMILAR

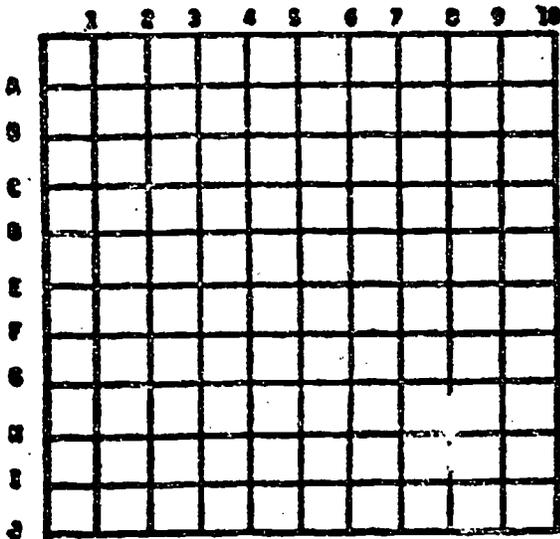
 <p>A1   B1   C2</p>	 <p>A2   B3   C1</p>
 <p>— — —</p>	 <p>— — —</p>

EXAMPLE D



THE VERTICAL LINES OF THE GRID ARE LABELED WITH THE LETTERS A-J, AND THE HORIZONTAL LINES OF THE GRID ARE LABELED WITH THE NUMBERS 1-10 AS SHOWN.

NOW THE POINTS OF INTERSECTION CAN BE IDENTIFIED BY A CODE LETTER-NUMBER COMBINATION. THE SMALLER FIGURE ON THE GRID CAN BE IDENTIFIED BY ITS FOUR POINTS: A3, B4, D3, B2. BY DRAWING LINES TO CONNECT THESE CODED POINTS, A DUPLICATE OF THIS FIGURE COULD BE PLACED ON THE LOWER GRID.



STUDENTS MAY WORK IN PAIRS. GIVE ONE STUDENT A GRID WITH THE FIGURES TO BE CODED AND THE OTHER STUDENT A BLANK GRID. BOTH GRIDS MUST HAVE THE SAME LABELING OF A-J AND 1-10. THE FIRST STUDENT TRANSLATES THE FIGURES INTO CODE AND GIVES THE CODE TO THE SECOND STUDENT WHO DECODES THIS INFORMATION BY DRAWING THE FIGURE ON HIS BLANK GRID.

EXAMPLE E

VJKU	KU	VJG	NCUV	VKOG	YG	YKNN
----	--	---	----	----	--	----
CNN	DG	VQIGVJGT	OP	UWPFCA		
---	--	-----	---	-----		
LQJP	YKNN	DG	IQKPI	VQ	IGTOCPA	OCTA
----	----	--	----	--	-----	----
YKNN	DG	IQKDI	VQ	GPENCPF	CPF	K
----	--	-----	---	-----	---	-
YKNN	DG	UVCAPPI	JGTG	(THIS IS THE LAST TIME WE WILL ALL BE TOGETHER. ON SUNDAY, JOHN WILL BE GOING TO GERMANY, MARY WILL BE GOING TO ENGLAND, AND I WILL BE STAYING HERE.)		
----	--	-----	----			

E	A	T
A	R	E
T	E	A

TEA, ARE, EAT


RED, ARE, CAR

TASK: ARRANGE THE WORDS ON EACH LINE INTO A WORD SQUARE SO THAT THE WORD CAN BE READ ACROSS AND DOWN.

# Code

A - ○

B - ⊠

C - ⊡

D - ⊕

E - ⊗

F - ◻

G - ◻

H - ⊡

I - ⊕

J - ⊗

K - ○

L - ⊠

M - ⊡

N - ⊡

O - ⊡

P - ⊡

Q - ⊡

R - ◊

S - ◊

T - ◊

U - ◊

V - ◊

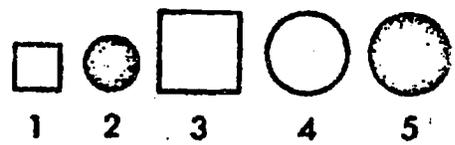
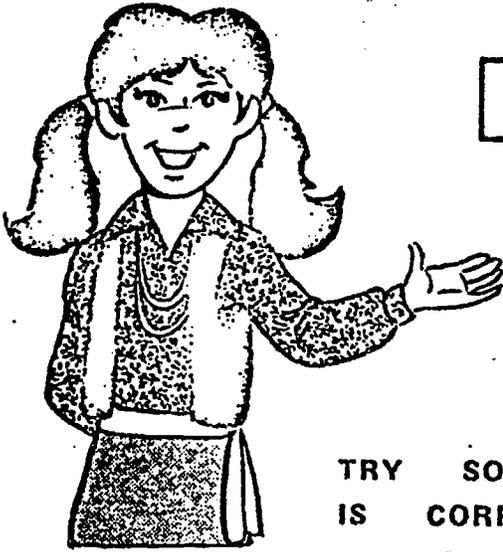
W - ◊

X - ⊡

Y - ⊗

Z - ◻

IN THIS EXAMPLE, NUMBER FIVE IS THE CORRECT ANSWER.  
 B CHANGES BY SHADING, SO C CHANGES BY SHADING ALSO.



Analogies

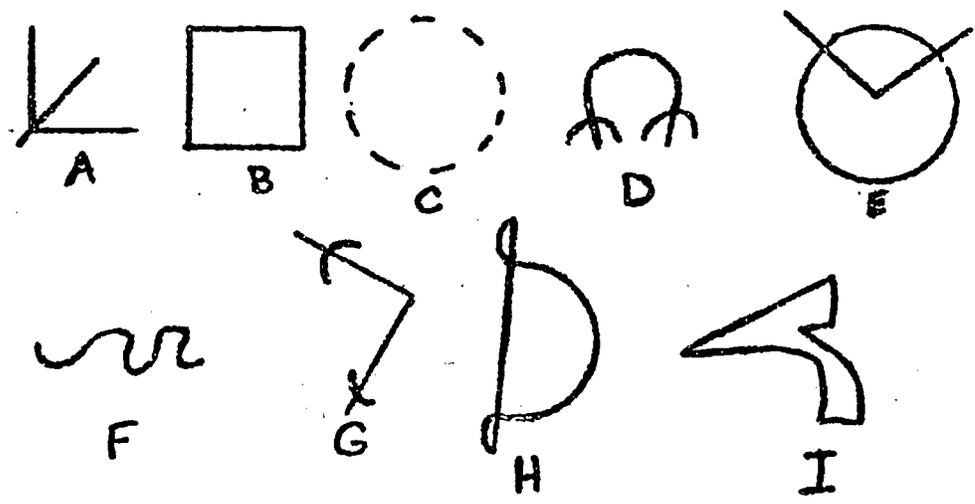
A is to B as C is to ?

TRY SOME! CIRCLE THE ANSWER YOU THINK IS CORRECT.

1								
2								
3								
4								
5								
6								

boat  
 Apple  
 5 Boat  
 apple  
 Boat  
 boat  
 five  
 apple  
 Five

- (1) DRAW A RED CIRCLE AROUND EACH OF THE FIVES.
- (2) DRAW A GREEN LINE UNDER EACH OF THE BOATS.
- (3) CROSS OUT ALL OF THE APPLES.



- (1) EXAMINE THE FIGURES CAREFULLY.
- (2) GROUP THE FIGURES INTO CLASSES BASED ON SIMILARITIES.
- (3) EXAMPLE: A, G, E, H = INTERSECTING LINES.

# REASON TEASIN'

IN THESE LOGIC PUZZLES, FIGURE A CHANGES TO B  
LIKE C CHANGES TO WHAT NUMBER?

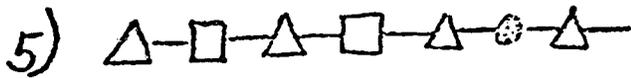
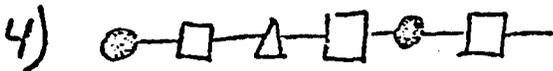


THERE ARE MORE OF THESE IN BOOKS 2, 3, AND 4.

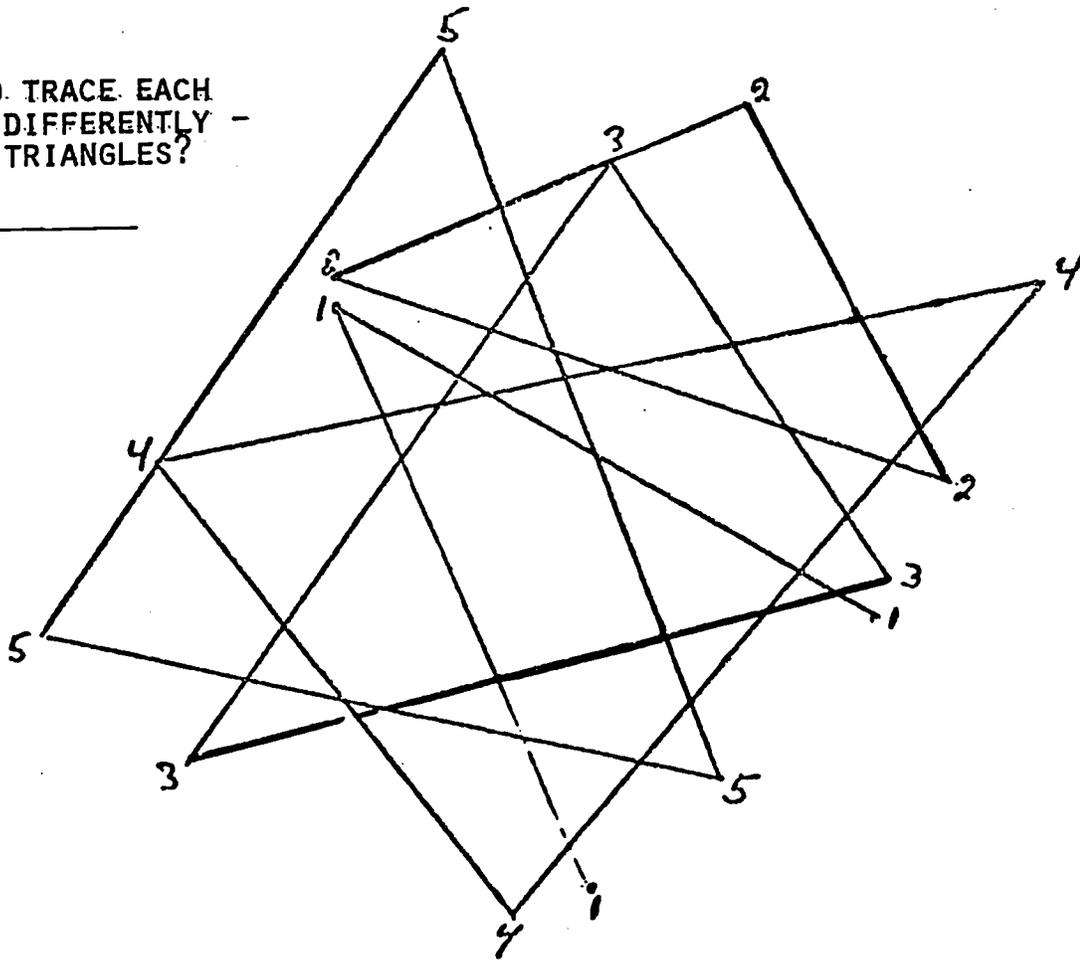
1	A	B	C	1	2	3	4	5
2	A	B	C	1	2	3	4	5
3	A	B	C	1	2	3	4	5
4	A	B	C	1	2	3	4	5
5	A	B	C	1	2	3	4	5
6	A	B	C	1	2	3	4	5
7	A	B	C	1	2	3	4	5



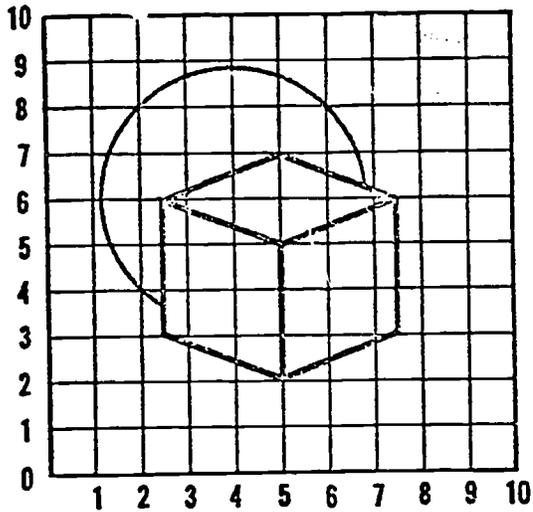
TASK: COMPLETE THE PATTERNS.



COLOR AND TRACE EACH TRIANGLE DIFFERENTLY - HOW MANY TRIANGLES?



# PROPORTIONAL DRAWING



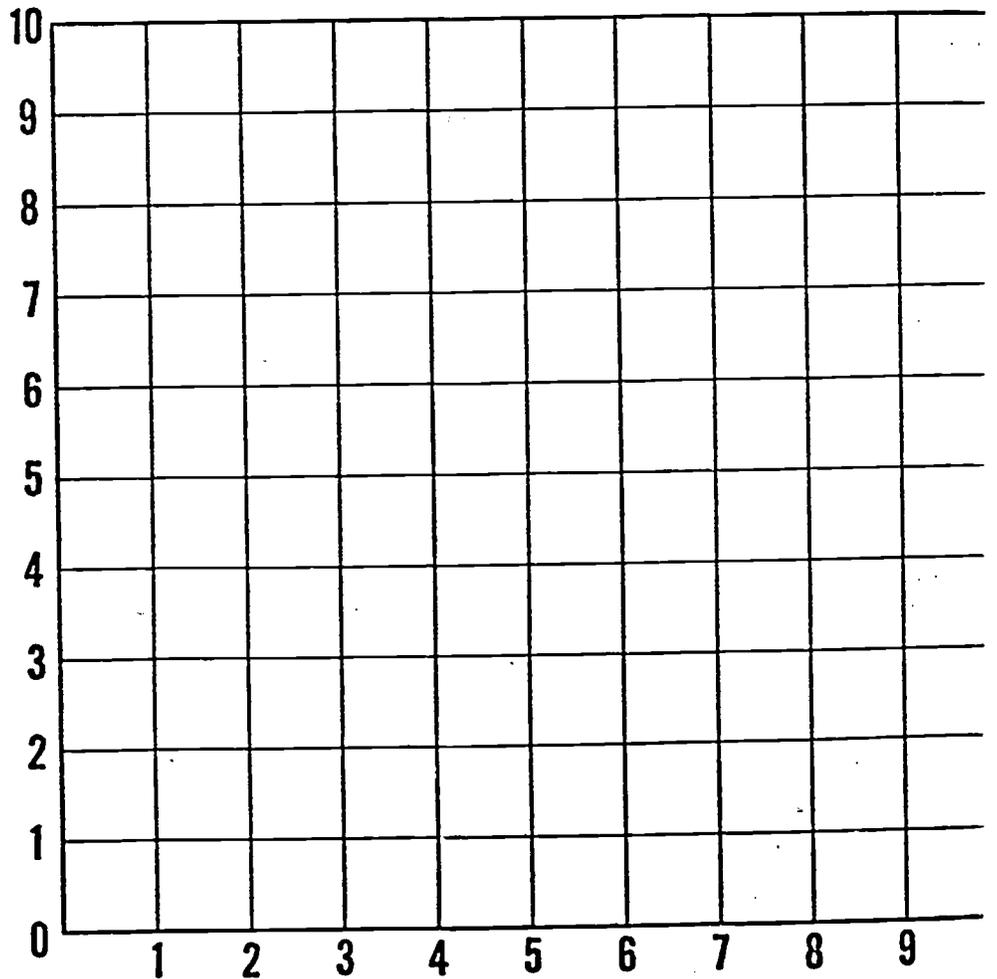
YOU CAN MAKE AN ENLARGEMENT OF THE DRAWING AT THE LEFT USING THE GRID BELOW.



PLACE ALL OF THE CORNERS OF THE CUBE ON THE SAME CORRESPONDING POINTS BELOW...THEN CONNECT THE POINTS.

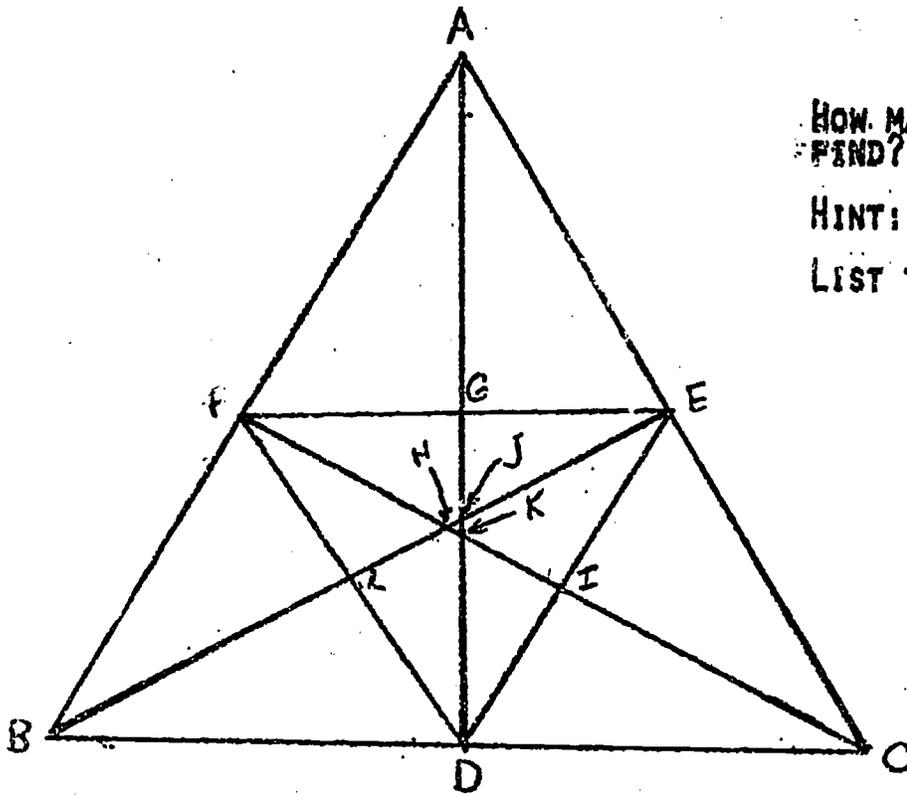


THE EDGES OF THE CUBE YOU DRAW SHOULD BE TWICE THE LENGTH OF THE EDGES IN THE FIGURE ABOVE.



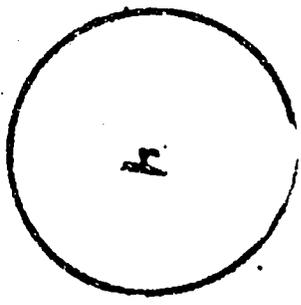
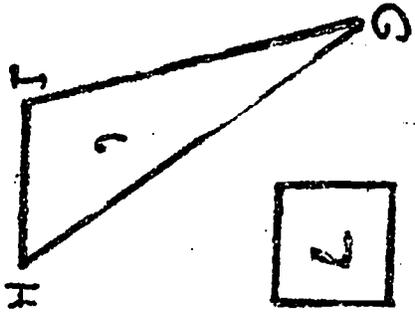
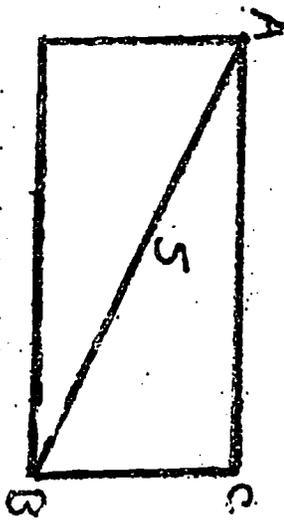
TRUE.





HOW MANY TRIANGLES CAN YOU FIND?  
 HINT: BETWEEN 30 & 40  
 LIST THEM BELOW:

1) WHICH IS THE LARGEST CIRCLE?  
 2) WHICH IS THE LARGEST TRIANGLE?  
 3) WHICH IS THE SMALLEST TRIANGLE?  
 4) WHICH IS THE SMALLEST TRIANGLE?  
 5) HOW ARE 2 AND 3 ALIKE?  
 6) HOW ARE 2 AND 3 DIFFERENT?  
 7) IS LINE A B LONGER THAN A C?  
 8) IS LINE D F LONGER THAN A C?  
 9) IS LINE D E LONGER THAN A B?

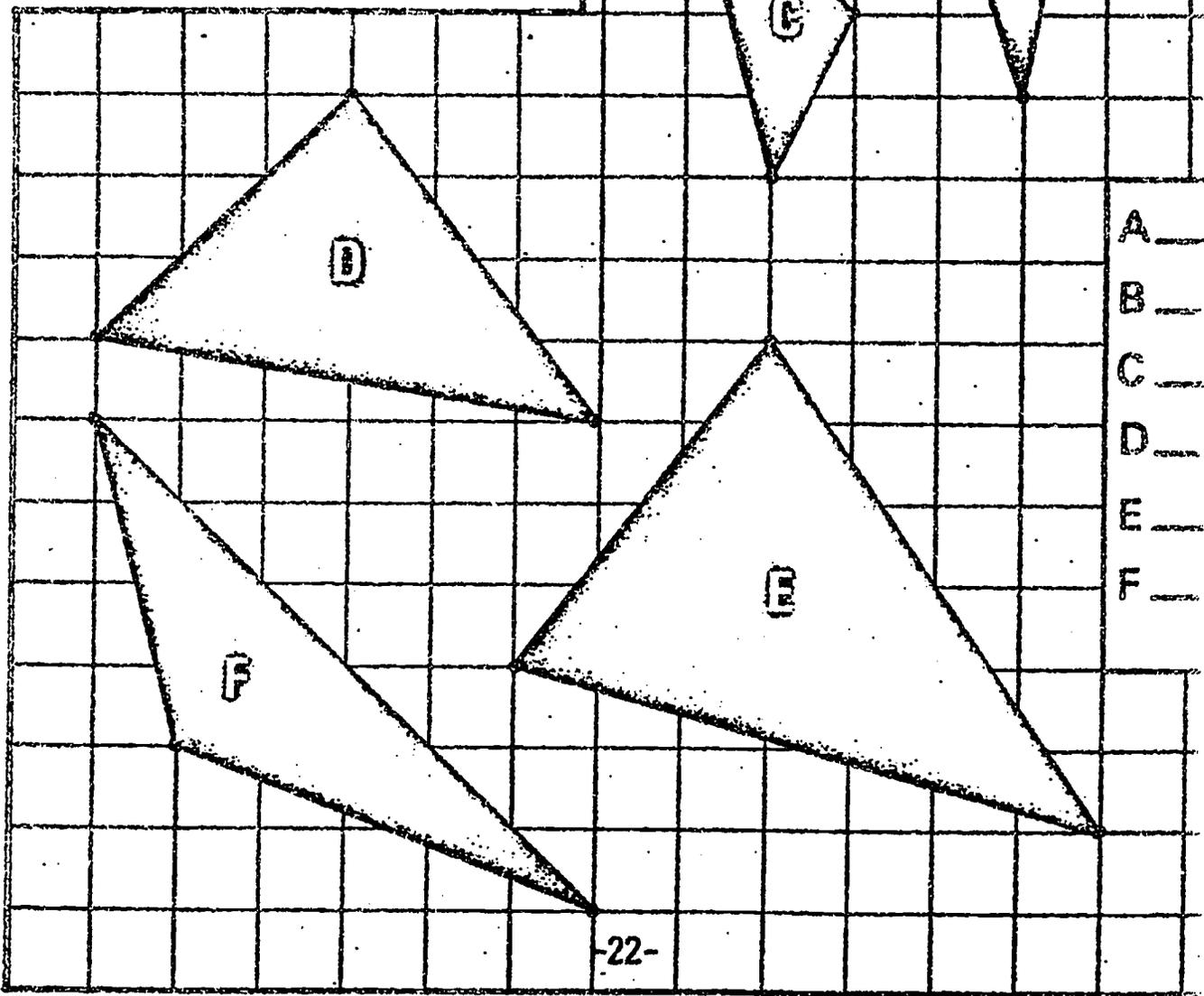
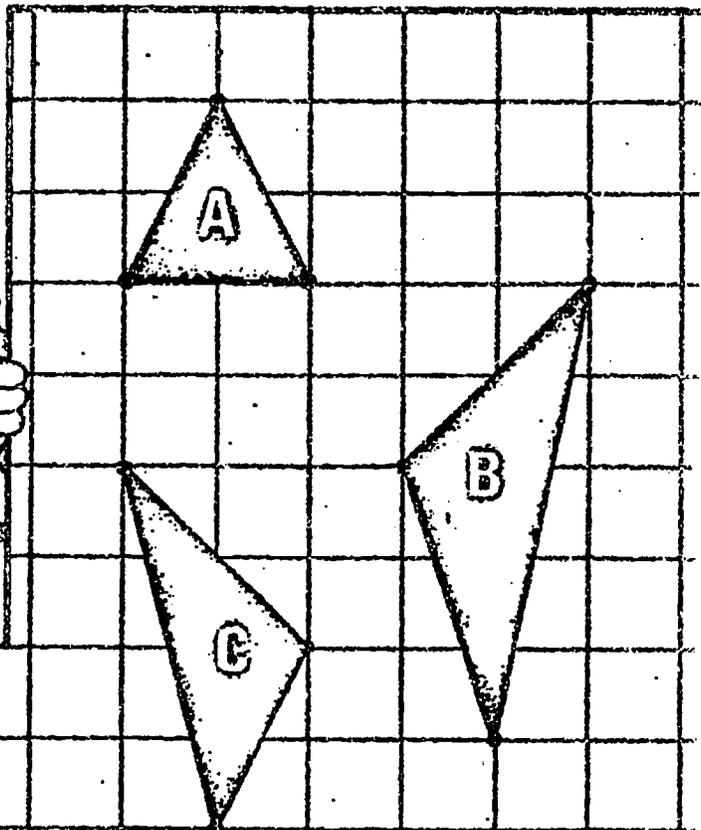
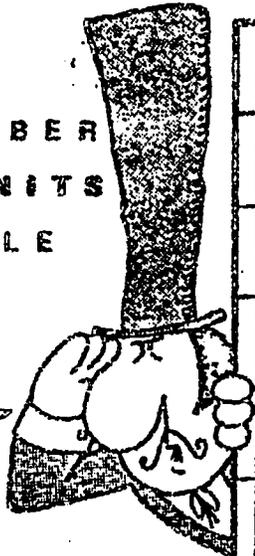


21

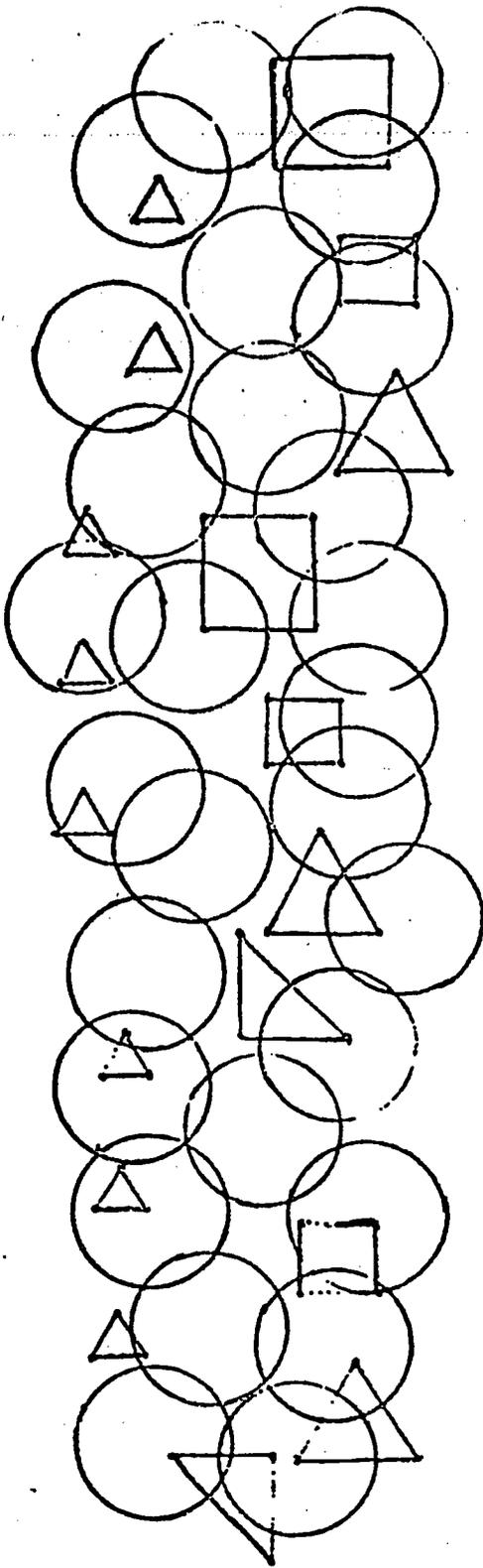
20

FIND THE NUMBER  
OF SQUARE UNITS  
EACH TRIANGLE  
CONTAINS.

USE THE METHOD  
SHOWN ON THE  
PREVIOUS PAGE.



- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_
- E. \_\_\_\_\_
- F. \_\_\_\_\_



1) HOW MANY  'S: \_\_\_\_\_  
COLOR THEM RED.

2) HOW MANY  'S: \_\_\_\_\_  
COLOR THEM BLUE.

## ALPHABET SPEED DRILL II

**SKILLS TAUGHT:** INCREASE SPEED AND EASE IN USING THE ALPHABET, ALPHABETIZING, AND DICTIONARY OR REFERENCE SKILLS.

**DIRECTIONS:** PLACE THE LETTER/S OF THE ALPHABET THAT COME BEFORE, AFTER, OR BETWEEN AS INDICATED. GO AS FAST AS YOU CAN WITHOUT MAKING ERRORS.

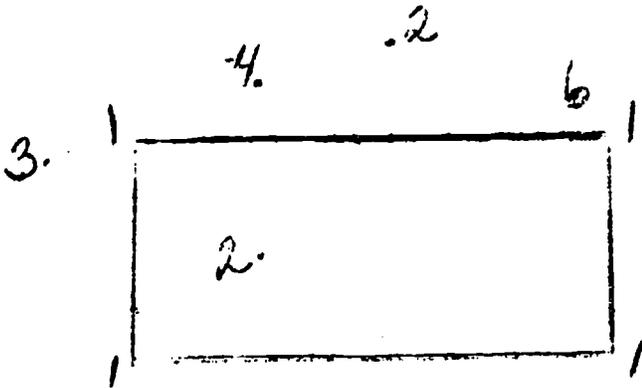
U \_\_\_\_ W      \_\_\_\_ M \_\_\_\_      Q \_\_\_\_ S      C \_\_\_\_ E      B \_\_\_\_ D  
 \_\_\_\_ K \_\_\_\_      \_\_\_\_ O \_\_\_\_      I \_\_\_\_ K      \_\_\_\_ H \_\_\_\_  
 P \_\_\_\_ R      G \_\_\_\_ I      \_\_\_\_ R \_\_\_\_      M \_\_\_\_ P  
 \_\_\_\_ F \_\_\_\_      A \_\_\_\_ C      \_\_\_\_ L \_\_\_\_      \_\_\_\_ S \_\_\_\_  
 V \_\_\_\_ X      \_\_\_\_ E \_\_\_\_      X \_\_\_\_ Z      J \_\_\_\_ L  
 \_\_\_\_ U \_\_\_\_      F \_\_\_\_ H      \_\_\_\_ W \_\_\_\_  
 F \_\_\_\_ H      \_\_\_\_ P \_\_\_\_      \_\_\_\_ Y \_\_\_\_      O \_\_\_\_ Q  
 \_\_\_\_ T \_\_\_\_      V \_\_\_\_ X      S \_\_\_\_ U      \_\_\_\_ B \_\_\_\_  
 L \_\_\_\_ N      \_\_\_\_ G \_\_\_\_      \_\_\_\_ J \_\_\_\_      X \_\_\_\_ Z  
 \_\_\_\_ R \_\_\_\_      U \_\_\_\_ W      E \_\_\_\_ G      \_\_\_\_ R \_\_\_\_  
 C \_\_\_\_ E      \_\_\_\_ N \_\_\_\_      \_\_\_\_ M \_\_\_\_      D \_\_\_\_ F  
 I \_\_\_\_ K      A \_\_\_\_ C      Q \_\_\_\_ S      \_\_\_\_ K \_\_\_\_

FIND AND CIRCLE THE WORDS WHICH COULD BE MADE BY REARRANGING THE LETTERS OF A GIVEN WORD AT THE TOP OF THE LIST.

- |                              |                                |                          |                           |                          |
|------------------------------|--------------------------------|--------------------------|---------------------------|--------------------------|
| 1) <u>AMEN</u>               | 2) <u>STRAW</u>                | 3) <u>EAGER</u>          | 4) <u>PLEATS</u>          | 5) <u>PETALS</u>         |
| MEANT<br><u>MEAN</u><br>NAME | TRAPS<br><u>WARTS</u><br>SPORT | RAGES<br>AGREE<br>GREAT  | SLEPT<br>STAPLE<br>PLATES | STEPS<br>TAPES<br>PASTEL |
| 6) <u>WORDS</u>              | 7) <u>PEARS</u>                | 8) <u>RESET</u>          | 9) <u>ASSET</u>           |                          |
| DOORS<br>DRAWS<br>SWORD      | SPARE<br>PARTS<br>REAPS        | SETTER<br>TREES<br>TEASE | TEASE<br>STATE<br>TASTE   |                          |

CONNECT THE SAME NUMBERS TO EACH.

WHAT DO YOU FIND?



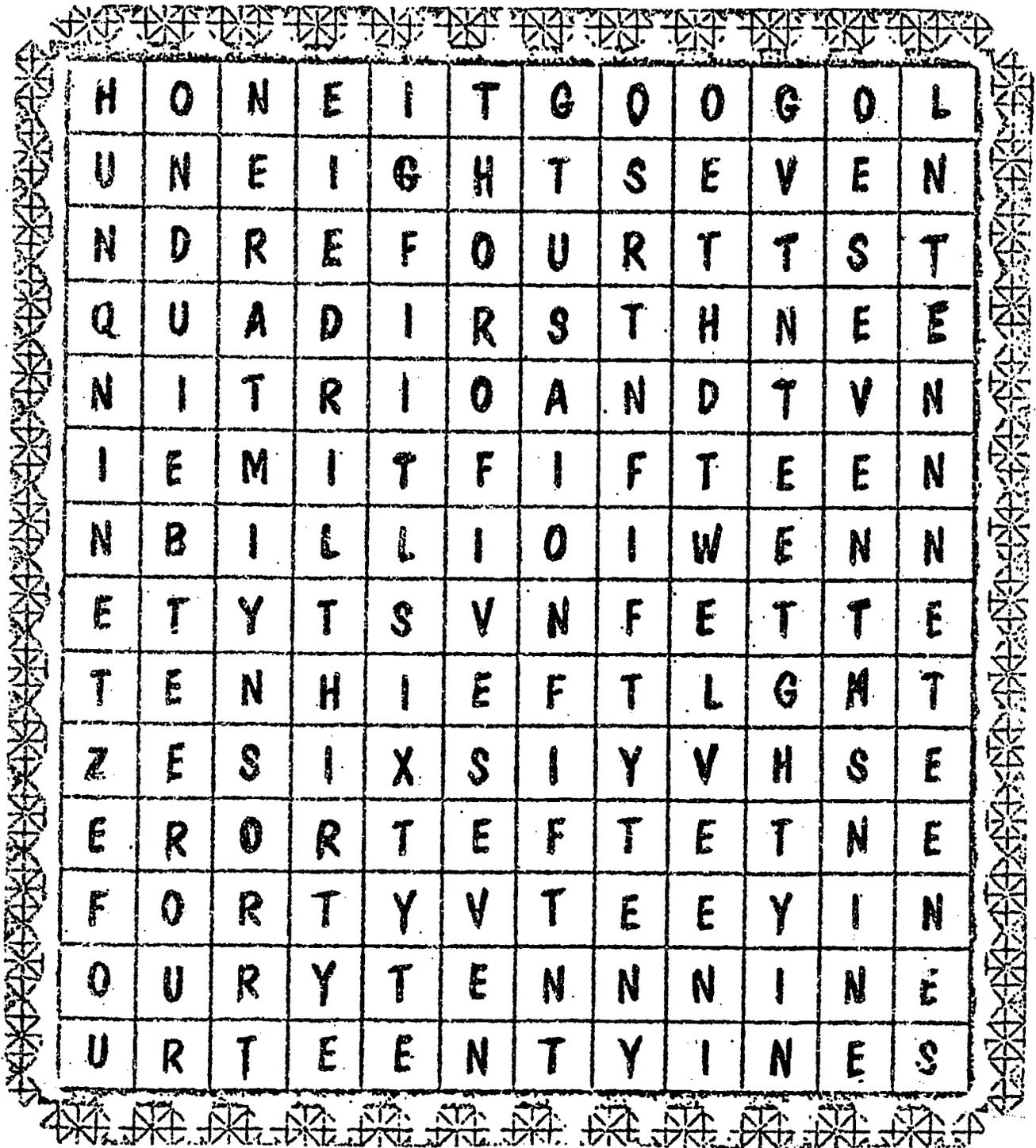
6  
7  
3  
5  
4  
2  
7  
2  
5  
6  
3  
4  
3  
7  
5

CONNECT THE SAME NUMBERS TO EACH. WHAT DO YOU FIND?

4  
5  
3  
1  
4  
2  
3  
5  
1  
2  
3  
5  
4  
2

# NAME GAME

CAN YOU FIND 25 DIFFERENT NUMBER WORDS?

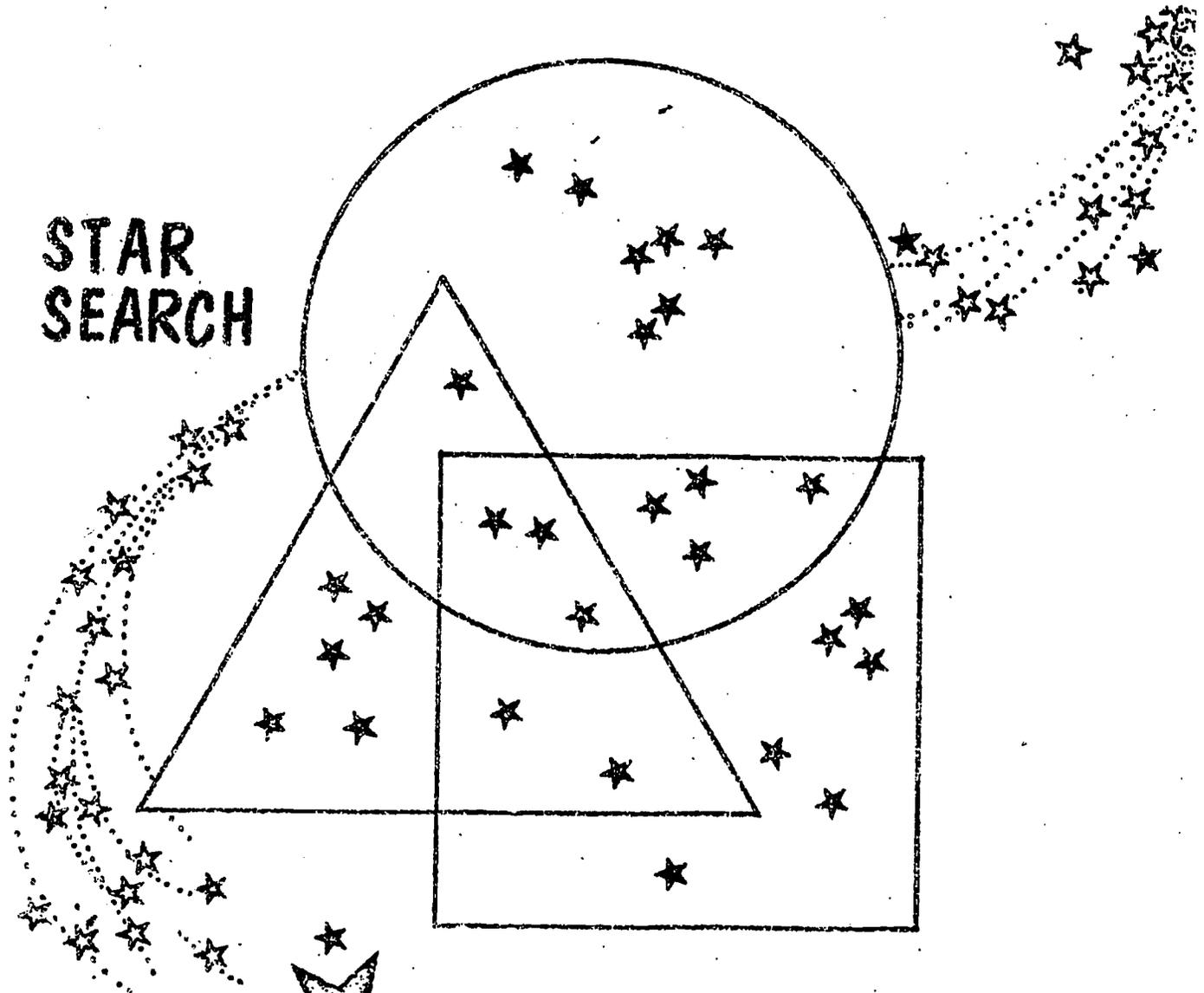


HORIZONTAL

VERTICAL

OR ZIG-ZAG

# STAR SEARCH



HOW MANY S ARE THERE?

- \_\_\_\_\_ 1) IN THE CIRCLE, BUT NOT IN THE SQUARE OR TRIANGLE?
- \_\_\_\_\_ 2) IN THE SQUARE, BUT NOT IN THE TRIANGLE OR CIRCLE?
- \_\_\_\_\_ 3) COMMON TO THE TRIANGLE AND CIRCLE, BUT NOT THE SQUARE?
- \_\_\_\_\_ 4) COMMON TO THE SQUARE AND CIRCLE, BUT NOT THE TRIANGLE?
- \_\_\_\_\_ 5) IN THE TRIANGLE, BUT NOT IN THE SQUARE OR CIRCLE?
- \_\_\_\_\_ 6) COMMON TO THE TRIANGLE AND SQUARE, BUT NOT THE CIRCLE?
- \_\_\_\_\_ 7) COMMON TO THE CIRCLE, SQUARE AND TRIANGLE?

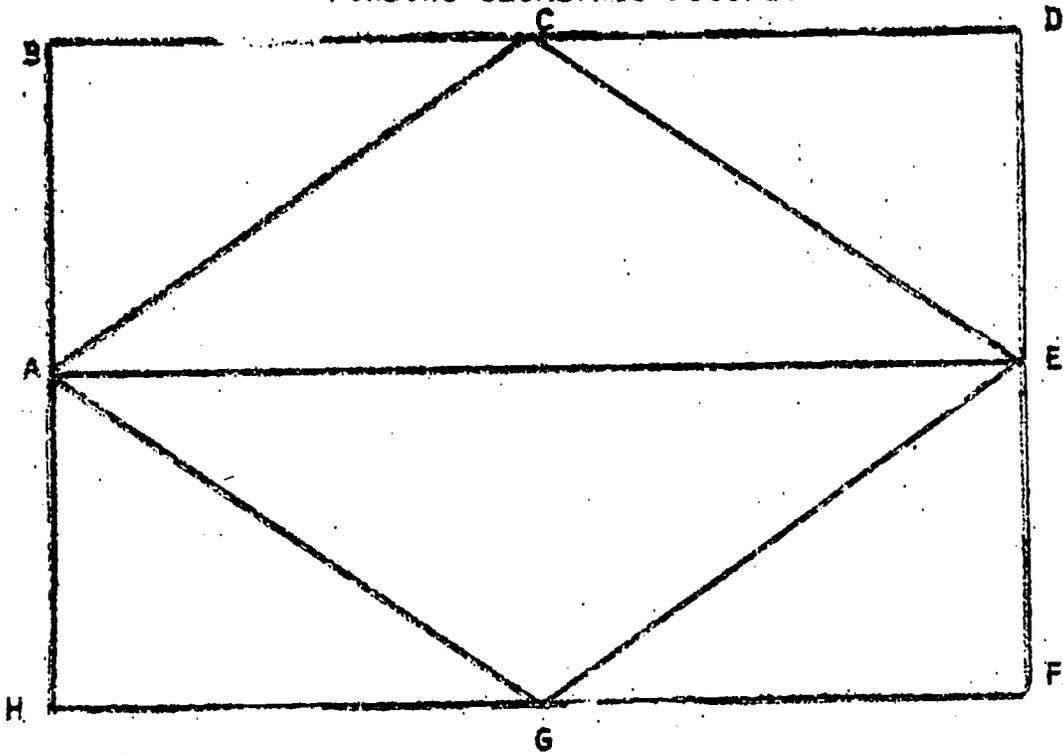
-27-

## SEEK AND FIND THE HIDDEN ANIMALS

THE NAMES OF 50 ANIMALS CAN BE FOUND BELOW. THE NAMES APPEAR IN FIVE DIRECTIONS - FORWARD, BACKWARD, UP, DOWN AND SOME MAY BE DIAGONAL. SOME NAMES MAY OVERLAP OTHERS. CIRCLE EACH NAME, OR BOX IT IN.

L	E	R	R	I	U	Q	S	C	O	U	G	A	R	E	H	P	O	G	O	P
I	A	L	A	O	K	A	Y	O	B	L	I	N	C	O	C	C	A	R	U	X
O	L	E	X	U	O	B	I	R	A	C	F	O	E	Y	E	U	D	E	E	R
G	L	L	A	M	A	A	S	G	B	P	H	C	H	G	D	M	W	G	D	E
L	I	I	M	S	R	D	A	Q	G	O	R	I	L	A	E	V	D	P	G	L
E	H	R	L	U	L	R	I	M	U	S	S	O	P	O	M	D	S	A	F	X
H	C	P	A	G	X	A	R	O	L	E	X	P	J	M	C	F	K	B	C	T
R	N	O	E	F	O	P	M	L	J	<b>P</b>	<b>A</b>	<b>N</b>	<b>D</b>	<b>A</b>	U	G	U	M	Y	N
L	I	O	N	E	F	G	K	E	M	O	N	Y	I	T	E	N	N	E	M	I
E	H	U	E	S	A	S	H	S	R	L	X	L	B	O	S	L	K	L	Z	P
O	C	C	N	O	H	L	Y	N	X	E	D	B	I	J	O	N	X	E	G	P
O	H	H	I	O	B	E	J	O	N	T	K	O	N	G	O	A	T	S	U	O
R	I	T	P	M	O	N	K	E	Y	N	L	B	W	D	G	V	X	R	Y	P
A	M	N	U	K	U	R	G	O	T	A	Z	C	N	J	N	K	T	O	B	O
O	P	A	C	A	M	E	L	N	F	P	W	A	V	G	O	D	A	H	F	T
N	A	H	R	K	I	X	T	F	R	E	T	T	O	I	M	N	F	D	I	A
A	D	P	O	Q	N	L	U	Q	A	X	O	R	H	P	D	B	S	B	O	M
K	Z	E	P	U	K	B	I	S	O	N	I	G	Y	E	T	V	B	U	W	U
C	B	L	K	Y	W	M	C	J	A	G	U	A	R	E	V	A	E	B	C	S
R	E	E	D	N	I	E	R	T	U	E	C	S	F	A	R	C	A	E	R	F
S	O	R	E	C	O	M	I	E	R	V	A	X	S	S	N	A	R	B	A	Z

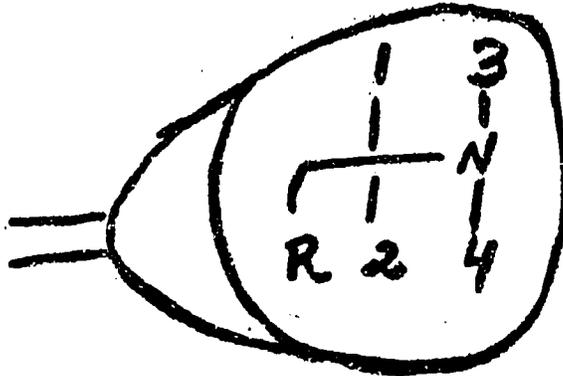
### FINDING GEOMETRIC FIGURES



IN THE ABOVE FIGURE, FIND AND NAME BY LETTERS ALL OF THE FOLLOWING GEOMETRIC FIGURES LISTED BELOW. THE NUMBERS IN PARENTHESES INDICATE THE TOTAL NUMBER OF EACH FIGURE THAT CAN BE FOUND. REMEMBER, YOU CAN ONLY USE THE SAME SET OF LETTERS ONCE UNDER ANY ONE FIGURE. EACH SET OF LETTERS MUST NAME A DIFFERENT FIGURE.

RECTANGLES (3)    TRIANGLES (6)    PENTAGONS (12)    RHOMBUS (1)    TRAPEZOIDS (1)

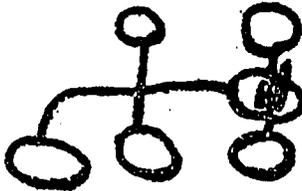

GIVEN: GEAR SHIFT



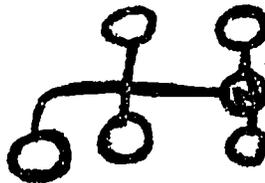
- R = REVERSE
- 1 = SLOWEST FORWARD
- 2 = SLOWER FORWARD
- 3 = FASTER FORWARD
- 4 = FASTEST FORWARD
- N = NEUTRAL

WHICH GEARS WILL YOU USE?

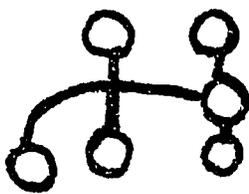
1) START MOTOR



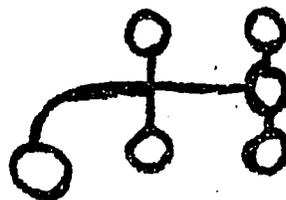
2) BACK UP



3) START- GO ON X-WAY



4) BACK OUT CAR  
PARK ON SIDEWALK



-30-

7 • 2x4

2x5

• 5+6

3x7

5x4

23

• 8x3

• 10-5

• 4+5

• 19+3

• 2x2

• 3x4

• 9+7

• 17

• 10+9

• 2x8

• 13

• 3x5

• 5x5

• 26

• 9x3

• 6x3

• 4x7

• 29

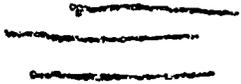
• 2x7

• 5x6

• 33

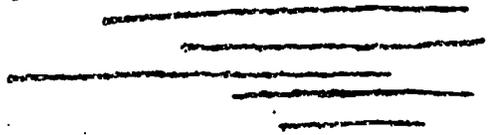
• 35-4

2+1 •



• 8x4

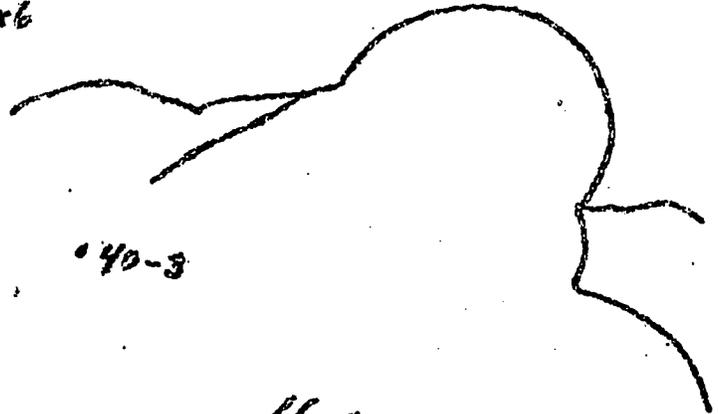
• 5x7



• 51

5-3 •

• 6x6



• 40-3

• 29+9

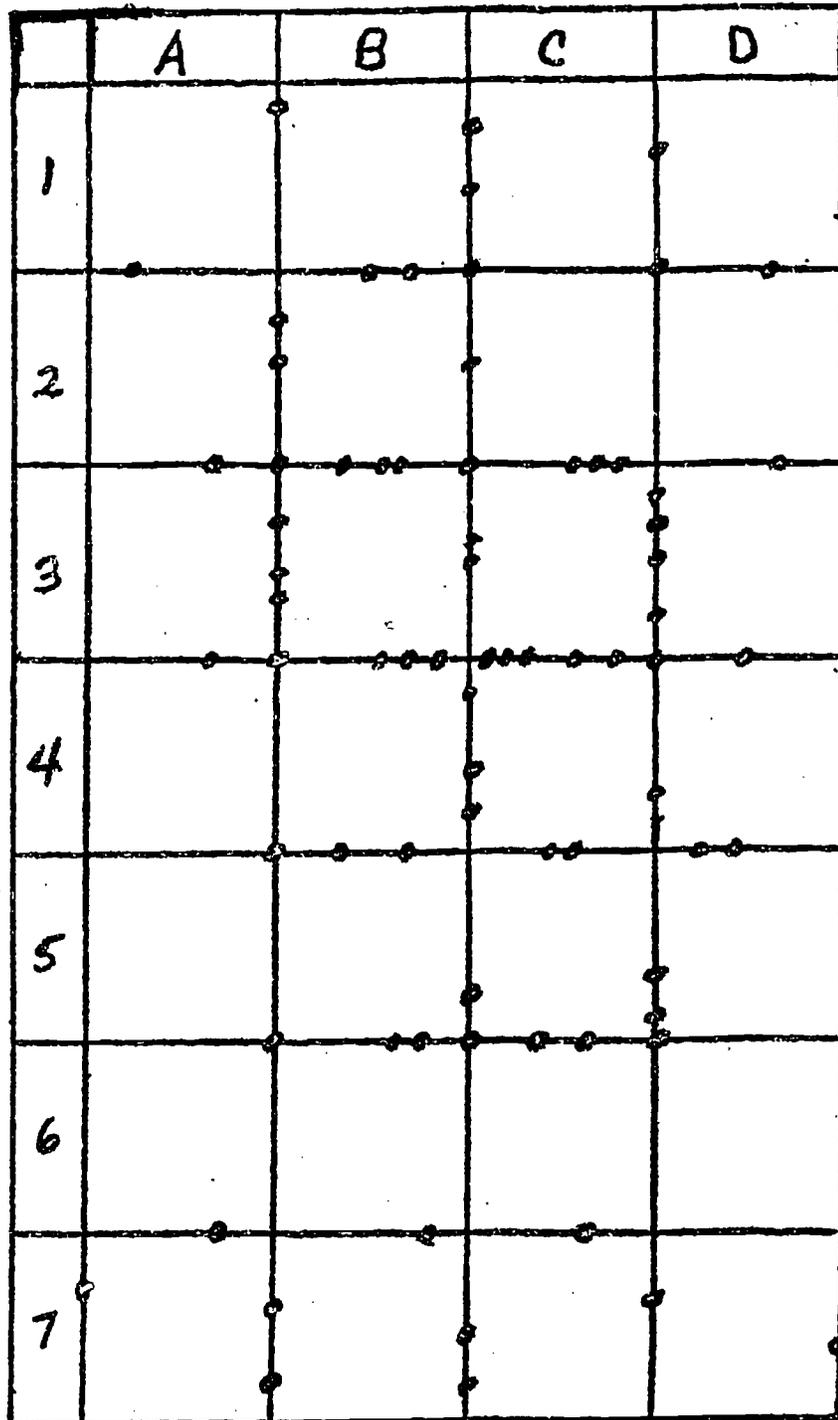
10-9

• 8x5

• 40-1

-31-

34



-32-