Table 1. CONSTRUCTION OF AFOQT COMPOSITES

Subtest	# of Items	Pilot	Nav Tech	Acad Apt	Verbal	Quant
Verbal Analogies	25		X	X	X	
Arithmetic Reasoning	25	X	X	X		X
Word Knowledge	25			X	X	
Math Knowledge	25	X	X	X		X
Instrument Comprehension	20	X				
Block Counting	20		X			
Table Reading	40	X	X			
Aviation Information	20	X				
General Science	20		X			
Rotated Blocks	15					
Hidden Figures	15					
Self Description Inventory	220					

What to Expect

When you arrive for test administration, you will be given complete and specific instructions on how to take the test. The number of questions in each of the 11 subtests and the time you will be given to complete each subtest will vary from subtest to subtest. On most of the subtests, you will have more than enough time to answer all the questions. On several subtests, however, you may not finish. Don't worry if this happens, since many people do not finish these subtests. Just work as quickly and accurately as you can.

All of the subtests have multiple-choice questions with four or five possible answers. Each question has only one correct or best answer. If you are not sure of the answer to a question, make a selection anyway, even if you have to guess. Your score on the AFOQT will be based on the number of correct answers you select. You will not lose points or be penalized for guessing.

You will be instructed not to make any marks in your actual test booklet. You will record all of your answers using a pencil on a separate answer sheet that will be scored by an optical scanner. Scratch paper will be provided for you to use when you need to do any calculations.

Before you take some of the subtests, you will have the opportunity to answer some practice questions to be sure that you understand what you are to do on the test. If you are not sure what you are supposed to be doing, ask your test administrator or proctor for help before you start answering the actual test questions. However, test administrators or proctors can only assist you in understanding the directions. They cannot give you guidance concerning test questions and answers or test taking strategy.

It is recommended that you get a good night's rest before taking the test. You will be asked before you take the test if you are physically able to take the AFOQT. If you do not feel that you are able to take the test at this time, inform the test administrator and you will be scheduled to take the AFOQT at a later date. Be relaxed, follow instructions, read each question carefully, and do the best you can.

How to Use This Pamphlet

This pamphlet is designed to familiarize you with examples of the types of questions you will find on each AFOQT subtest. This pamphlet will not help you "study" for the AFOQT. In fact, because the AFOQT is a test of your general knowledge in a large number of subject areas, there is no "best way" to study for it. The format and style of the questions in this pamphlet are very TJ0.00009 Tw10.1536 Tw10.9.96 -55Td5 Td[si(difficulThe fakings pOhe pr)]cetest.0.00009 T1319.964.w -(sty

PART 1. Verbal Analogies

DIRECTIONS: This part of the test measures your ability to reason and see relationships among words. You are to choose the option that best completes the analogy developed at the beginning of each question.

1. **Rural** is to **sparse** as **urban** is to

    1-A noisy.
    1-B crowded.
    1-C hurried.
    1-D suburban.
    1-E suave.

2. **Infancy** is to

PART 2. Arithmetic Reasoning

DIRECTIONS: This part of the test measures your ability to use arithmetic to solve problems. Each problem is followed by five possible answers. You are to decide which one of the five choices is most nearly correct.

1. A car traveled at 60 miles per hour for 2½ hours. If one inch equals 20 miles on a map, how far has the car traveled on the map?

   1-A 7.5 inches
   1-B 8.3 inches
   1-C 9.7 inches
   1-D 10.5 inches
   1-E 15.0 inches

2. What is the volume of a container that is 22 feet long, 15 feet wide, and 10 feet high?

   2-A 1369 cu. ft.
   2-B 1500 cu. ft.
   2-C 1650 cu. ft
   2-D 2209 cu. ft.
   2-E 3300 cu. ft.

3. A sport's fan spent a total of $450 on baseball tickets. If only $4 and $5 tickets were bought, and there was an equal number at each price, how many $5 tickets were bought?

   3-A 45
   3-B 50
   3-C 56
   3-D 72
   3-E 90

4. A student spent 2 hours studying, 1 hour doing laundry, and 1 ½ hours watching television. What percentage of time was spent doing laundry?

   4-A 44 percent
   4-B 37 percent
   4-C 33 percent
   4-D 22 percent
   4-E 11 percent

5. If a train can travel 405 miles in 4 ½ hours, how far can it travel in 30 minutes?

   5-A 45 miles
   5-B 53 miles
   5-C 60 miles
   5-D 81 miles
   5-E 90 miles

PART 3. Word Knowledge

DIRECTIONS: This part of the test measures your knowledge of words and their meanings. For each question, you are to choose the word below that is closest in meaning to the capitalized word above.

1. REPLENISH

   1-A furnish
   1-B provide
   1-C refill
   1-D stock
   1-E refinish

2. PATHETIC

   2-A sorrowful
   2-B dejected
   2-C regretful
   2-D pitiful
   2-E depressed

3. BLUNDER

   3-A err
   3-B sneak
   3-C omit
   3-D confuse
   3-E shuffle

4. MEDIATOR

   4-A interviewer
   4-B meddler
   4-C peacemaker
   4-D coach
   4-E defender

5. LUCIDITY

   5-A clarity
   5-B brightness
   5-C greed
   5-D delirium
   5-E speed

PART 4. Math Knowledge

DIRECTIONS: This part of the test measures your knowledge of mathematical terms and principles. You are to decide which one of the five choices is correct.

1. $\frac{17}{20} + \frac{6}{100} + \frac{15}{50}$ is equal to

1-A 43/50
1-B 111/100
1-C 121/100

PART 5. Instrument Comprehension

DIRECTIONS: This part of the test measures your ability to determine the position of an airplane in flight from reading instruments showing its compass heading, amount of climb or dive, and degree of bank to right or left. In each problem the left-hand dial is labeled ARTIFICIAL HORIZON. On the face of the dial, the small aircraft fuselage silhouette remains stationary, while the positions of the heavy black line and the black pointer vary with changes in the position of the airplane in which the instrument is located.

The heavy black line represents the HORIZON LINE. The black pointer shows the degree of BANK to the right or left.

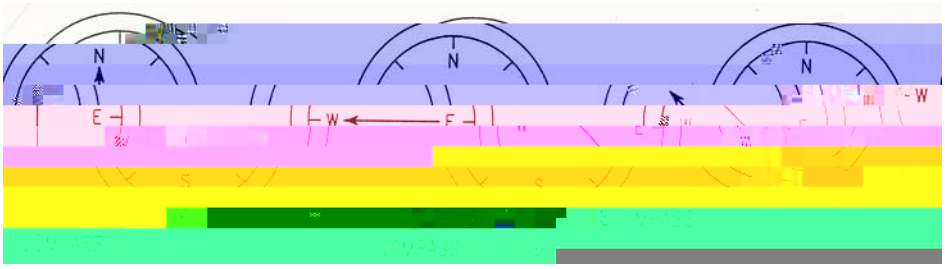
If the airplane is neither climbing nor diving, the horizon line is directly on the fuselage silhouette, as in dial 1 below.

If the airplane is climbing, the fuselage silhouette is seen between the horizon line and the pointer, as in dial 2 below. The greater the amount of climb, the greater the distance between the horizon line and the fuselage silhouette.

If the airplane is diving, the horizon line is seen between the fuselage silhouette and the pointer, as in dial 3 below. The greater the amount of dive, the greater the distance between the horizon line and the fuselage silhouette.

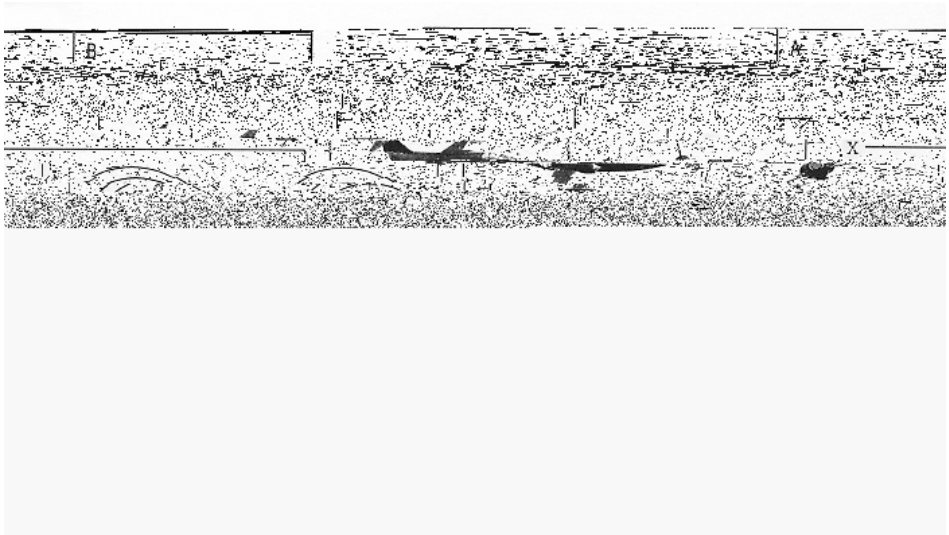
Dial 1 **Dial 2** **Dial 3**

In each problem the right-hand dial is labeled COMPASS. On this dial, the arrow shows the compass direction in which the airplane is headed. Dial 4 shows the airplane headed north, dial 5 shows it headed west, and dial 6 shows it headed northwest.

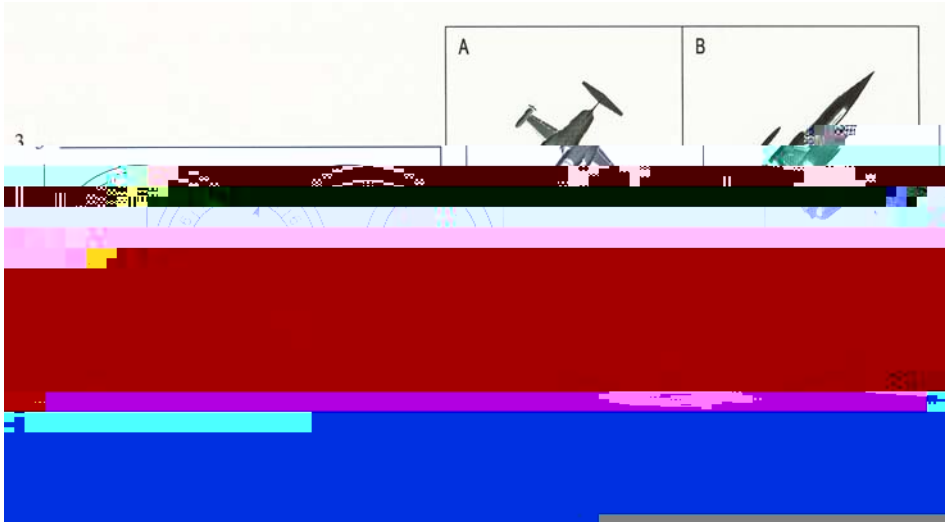


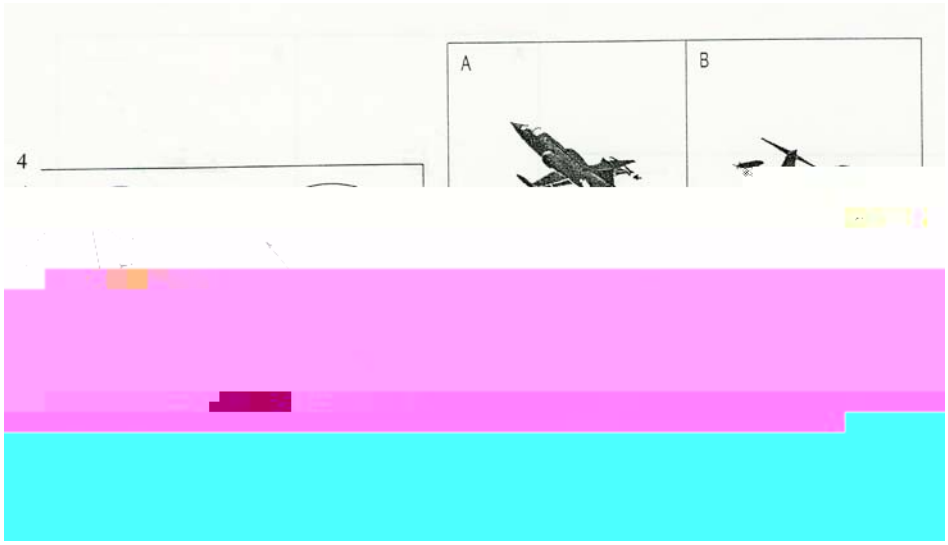
Dial 4 **Dial 5** **Dial 6**

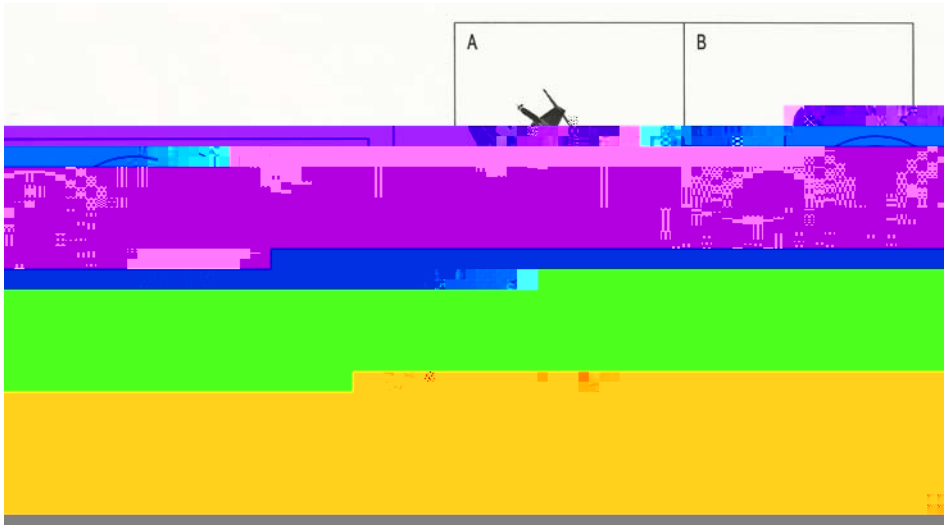
Each problem consists of two dials and four silhouettes of airplanes in flight. Your task is to determine which one of the four airplanes is MOST NEARLY in the position indicated by the two dials. YOU ARE ALWAYS LOOKING NORTH AT THE SAME ALTITUDE AS EACH OF THE FOUR AIRPLANES. EAST IS ALWAYS TO YOUR RIGHT AS YOU LOOK AT THE PAGE. In sample question X, the dial labeled ARTIFICIAL HORIZON shows that the airplane is NOT banked, and is neither climbing nor diving. The COMPASS shows that it is headed southeast. The only one of the four airplane silhouettes that meets these specifications is in the box lettered C; so, the answer to sample question X is C. Note that B is a rear view, whereas D is a front view. Note also that A is banked to the right and that B is banked to the left.



A
B


A
B


A
B


A
B

PART 6. Block Counting

DIRECTIONS: This part of the test measures your ability to "see into" a 3-dimensional pile of blocks. Given a certain numbered block, your task is to determine how many other blocks it touches. *All of the blocks in each pile are the same size and shape*. Look at sample questions S1 through S5 below.

Block S1 touches the other two top blocks and the two blocks directly below it. Therefore, the total number of blocks touched by S1 is 4. For sample question S1, 4 is choice D in the key to the right.

Block S2 touches blocks S1 and S3 and the unlettered block to the right of block S3. Because block S2

PART 7. Table Reading

PART 8. Aviation Information

PART 9. General Science

DIRECTIONS: This part of the test measures your knowledge in the area of science. Each of the questions or incomplete statements is followed by five choices. You are to decide which one of the choices best answers the question or completes the statement.

1. In the International System of Units, a measurement for mass is

    1-A a meter.
    1-B a henry.
    1-C an ampere.
    1-D a kilometer.
    1-E a kilogram.

2. What is energy called that is derived from Earth's internal heat?

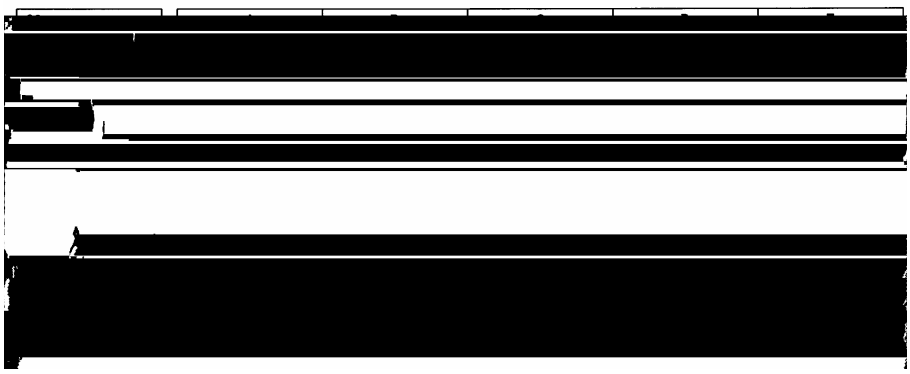
    2-A Hydroelectric
    2-B Solar
    2-C Thermodynamic
    2-D Volcanic
    2-E Geothermal

3. Compounds that include fat and oils found in foods and the human body are

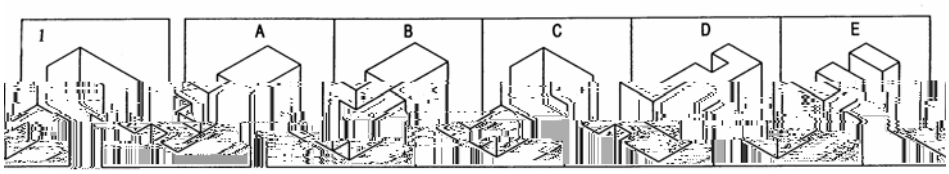
PART 10. Rotated Blocks

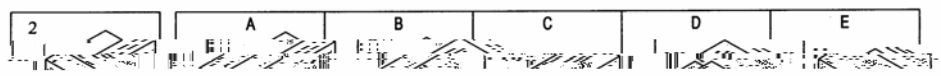
DIRECTIONS: This part of the test measures your ability to visualize and manipulate objects in space. In each problem you are shown a picture of a block. Your task is to find a second

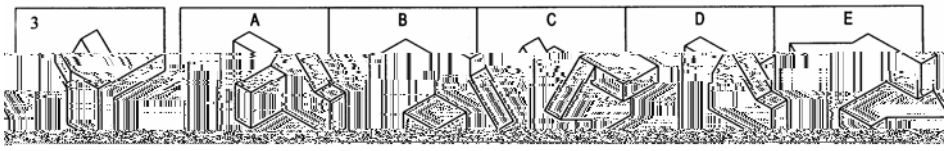
Now look at sample questions S2 and S3 below.

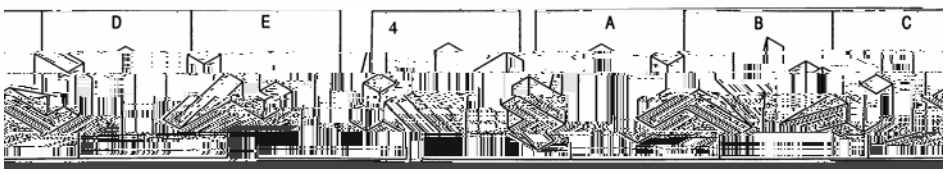


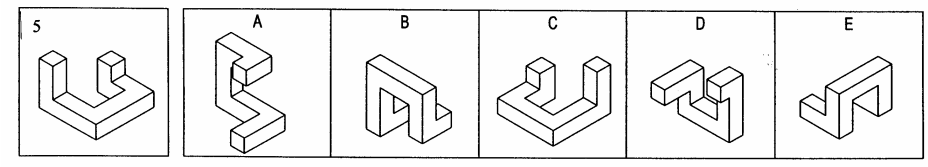
The correct answer for S2 is C. The correct answer for S3 is A.


1
A
B
C
D
E


2
A
B
C
D
E


3
A
B
C
D
E

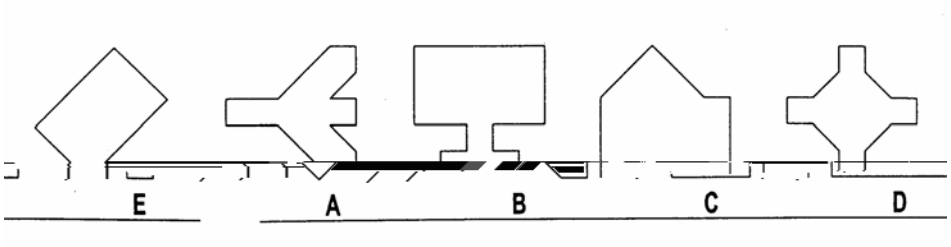

D
E
4
A
B
C


5
A
B
C
D
E

PART 11. Hidden Figures

DIRECTIONS: This part of the test measures your ability to see a simple figure in a complex drawing. At the top of each page are five lettered figures. Below these on each page are several numbered drawings. You are to determine which lettered figure is contained in each of the numbered drawings.

The lettered figures are:



The numbered drawings are similar to drawing X below. Which one of the five figures is contained in drawing X?

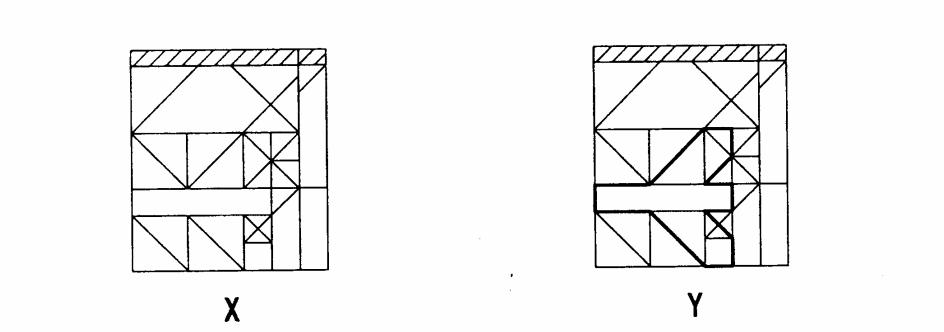
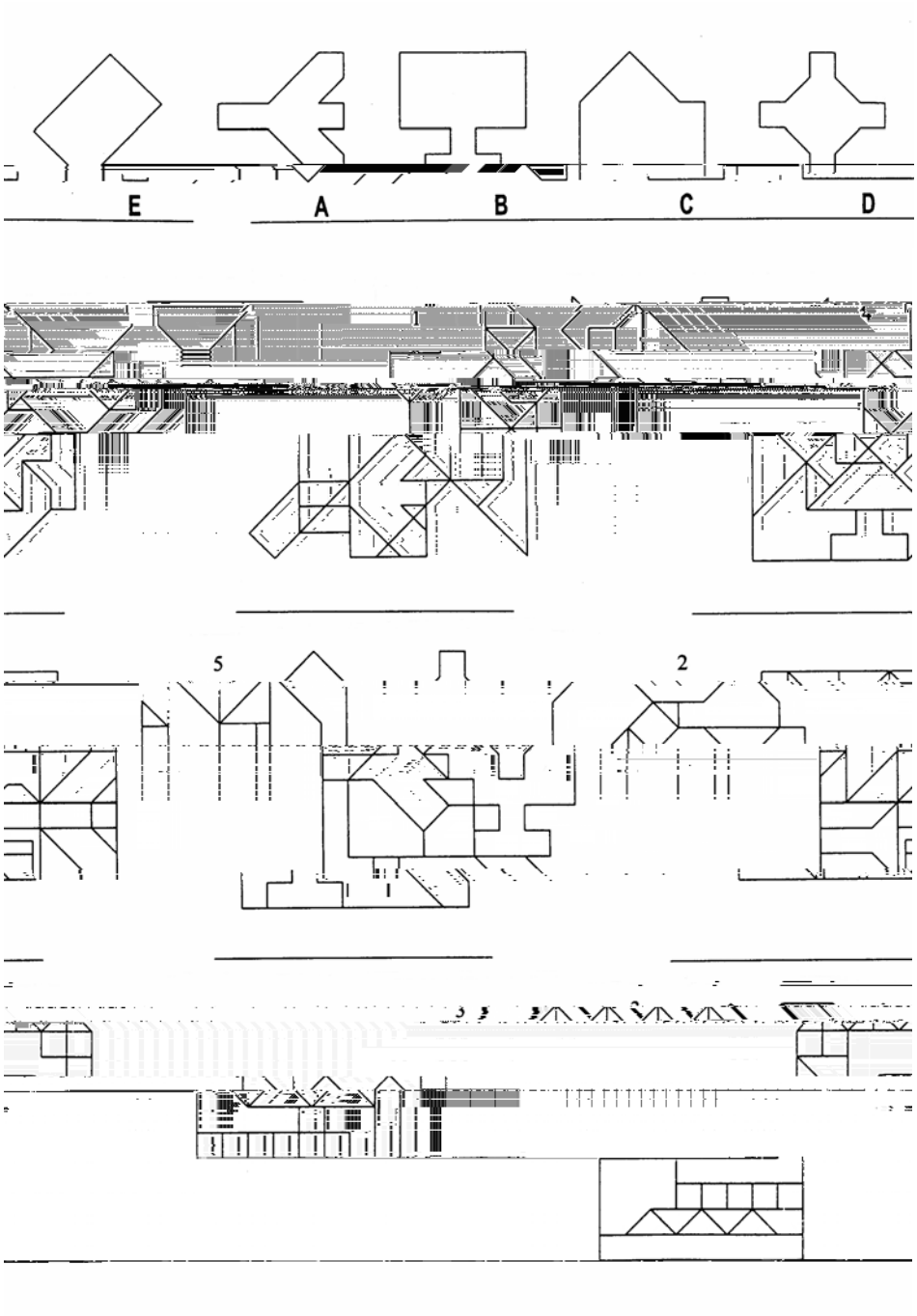


Figure B is contained in drawing X. Thus, B is the answer to sample question X. Drawing Y is exactly like drawing X except that the outline of figure B has been darkened to show that *all* of figure B appears in the drawing. Notice that the figure is the same size and in the same position as it appears at the top of the page. Therefore, you do not need to rotate the page in order to find the figure. Look at each numbered drawing and decide which one of the lettered figures is contained in it.


E
A
B
C
D
5
2

Part 12. Self Description Inventory

DIRECTIONS: This inventory measures personal traits and attitudes. The inventory consists of a list of statements. The task is to read each statement carefully and decide how well each one describes you.

Look at the sample statement below:

S1. I enjoy reading poetry.

Decide if statement S1 is characteristic of you and indicate your agreement using the scale below.

A	B	C	D	E
Strongly Disagree	Moderately Disagree	Neither Agree nor Disagree	Moderately Agree	Strongly Agree

If you strongly agree that the statement describes you, select response E on the scale. If you strongly disagree

Table 3. ANSWERS TO SAMPLE QUESTIONS

Verbal Analogies
1. B
2. E
3. A
4. C
5. C

Arithmetic Reasoning
1. A
2. E
3. B
4. D
5. A

Word Knowledge
1. C
2. D
3. A
4. C
5. A

Math Knowledge
1. C
2. B
3. D
4. B
5. E

Instrument Comprehension
1. B
2. A
3. D
4. C
5. C

Block Counting
1. C
2. A
3. D
4. E
5. D

Table Reading
1. D
2. B
3. A
4. E
5. C

Aviation Information
1. C
2. B
3. E
4. A
5. B

General Science
1. E
2. E
3. B
4. C
5. C

Rotated Blocks
1. A
2. B
3. D
4. C
5. B

Hidden Figures
1. A
2. B
3. C
4. B
5. D

Self Description Inventory

NOTE: There are no right or wrong answers for these items.