

DEDUCTIVE REASONING USING YES-NO STATEMENTS

B-285

Totino, Warpenburg, Schleinstein, and Kavana live in Russia, the Czech Republic, Chile, and Zambia. From the clues below, match the residents with their countries.

- a. Kavana’s country has no sea coast and is in the southern hemisphere.
- b. Schleinstein’s and Totino’s countries are not in South America.
- c. Totino lives north of Schleinstein.

	K	S	T	W
Chile				
Czech Republic				
Russia				
Zambia				

B-286

Mr. Jaworski, Miss Roberts, Mrs. Bradley, and Mr. Forsythe are all dog owners. From the clues below, match the dogs (Collie, German Shepherd, Great Dane, and Dachshund) with their owners.

- a. Miss Roberts does not own a dog that has fleas.
- b. Neither Mr. Jaworski nor Mrs. Bradley owns the Great Dane.
- c. Mr. Forsythe knows the German Shepherd and Dachshund owners.
- d. Mr. Jaworski and Mr. Forsythe don't know each other.
- e. German Shepherds and Great Danes have fleas.

	B	F	J	R
Collie				
Great Dane				
German Shepherd				
Dachshund				

SEQUENCES

13 Sample Answer

	<u>SYNONYMS</u>	<u>ANTONYMS</u>
A-149	brave, fearless, self-assured	cowardly, fearful, timid, polite
A-150	yell, call, scream, cry	whisper, murmur
A-151	pick, select	reject, refuse
A-152	occasionally, rarely	always, often, continually
A-153	protect, guard	attack, oppose
A-154	slanted, inclined, sloping	level, even, straight, upright
A-155	freedom, independence	slavery, restraint
A-156	gain, earnings, return, benefit	loss, expense, cost

14 Sample Answer

A-157	agree, receive, take	reject, refuse, deny
A-158	correct, right, decent	improper, rude, vulgar, wrong
A-159	argument, quarrel	agreement, pact, treaty
A-160	hardly, barely	totally, completely
A-161	danger, chance, dare	safety, security
A-162	result, outcome	cause, origin
A-163	recall, recollect	forget, omit
A-164	decrease, lower, reduce	increase, raise, inflate

15

A-165	d	A-166	b
A-167	a, c	A-168	a, b

16

A-169	a, c	A-170	c
A-171	a, b	A-172	a, c
A-173	b, c		

17

A-174	a, c	A-175	a, b
A-176	b, c	A-177	b

18 Sample Answer

A-178 Alike: Both have roots, branches, and leaves. Both are generally smaller than trees.
Different: A bush is typically low and spreading; a vine is typically long and thin.

A-179 Alike: Both are wastes that must be collected and disposed of.
Different: Garbage refers to food waste; trash refers to product (metal, paper, plastic, etc.) waste.

A-180 Alike: Both refer to possession of something that belongs to someone else.
Different: Borrow suggests intent to return an item to its owner; steal doesn't. Borrowing is legal; stealing isn't.

A-181 Alike: Both concern the sending and receiving of information.
Different: A signal primarily conveys directional or factual information; an alarm primarily warns or alerts.

19 Sample Answer

A-182 Alike: Both are tree products, and both may be used as building materials.
Different: Wood generates naturally from trees; lumber must be man-made.

A-183 Alike: Both create new works in their field.
Different: An author writes literary works; a composer writes music.

A-184 Alike: Both travel into unknown territory and take risks.
Different: Explorers travel, chart and/or claim territories, then return "home"; pioneers travel with the idea of settling somewhere new.

A-185 Alike: Both carry blood and are part of the circulatory system.

Different: Arteries carry blood from the heart; veins carry blood to the heart

20 Sample Answer

	<u>CONNOTATION</u>	<u>DENOTATION</u>	
A-186	delinquent	lawbreaker	
A-187	homemaker	caretaker in the home	
A-188	security officer	protector	
A-189	profession	occupation	
A-190	blemishes	skin problem	
A-191	lady	woman	
A-192	dentures	artificial teeth	
A-193	pre-owned	not new	
A-194	refuse	waste	
A-195	youth	young person	
A-196	homely	unattractive	
A-197	disagreement	argument	
A-198	sympathy	empathy	
A-199	deceased	without life	
A-200	revenue	money	
A-201	residence	dwelling	
A-202	handicapped	physically impaired	
A-203	disadvantaged	lacking	
A-204	gentleman	man	
A-205	stomach	abdomen	
A-206	prefer	select	
A-207	P, B, N	A-208	P, N, B
A-209	P, B, N	A-210	P, N, B
A-211	N, P, B	A-212	P, B, N
A-213	N, P, B	A-214	N, B, P
A-215	B, P, N		

21

22

24

B-1 PARK, PART, CART, CARE, PARE, FARE, FARM, HARM, WARM, WORM, WORN, TORN, BORN, BURN, TURN

25

B-2 DESIGN, DESIRE, DESERT, DESERVE, RESERVE, CONSERVE, CONCERN

B-3 VISION, PROVISION, PROVIDE, PRODUCE, PRODUCT, PROJECT

26

B-4 NOTION, ACTION, FRACTION, FUNCTION, STATION, NATION, RATION

27

B-5 INVENT, INTEND, EXTEND, PRETEND, CONTEST, CONSENT, PRESENT, RESIDE, PRESIDE, PRESUME, RESUME, CONSUME

28

B-6 STRAIN, RESTRAIN, RESTRICT, DISTRICT, DISTRUST, DISTRESS, DISTRACT, REACT, REACH, PREACH

29

B-7 COMMAND, COMMEND, RECOMMEND, COMMENCE, COMMON, COMMOTION, PROMOTION, PROMOTE

30

B-8 EXCLUDE, EXCLAIM, RECLAIM, RECLINE, DECLINE

B-9 RESTRICT, DISTRACT, DISTRESS, DISTRUST, DISTINCT, DISTANCE

31

B-10 a

B-11 c

32

B-12 c

B-13 b

33

B-14 b

B-15 c

34

B-16 a. lower right
c. upper left

B-17 a. lower right
c. lower left
b. upper right
d. upper left

35

B-18 a. striped
c. striped
e. above
d. black

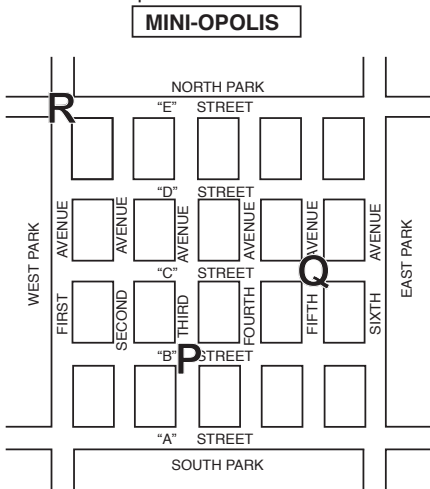
B-19 a. center
c. upper right
b. right
d. left

36

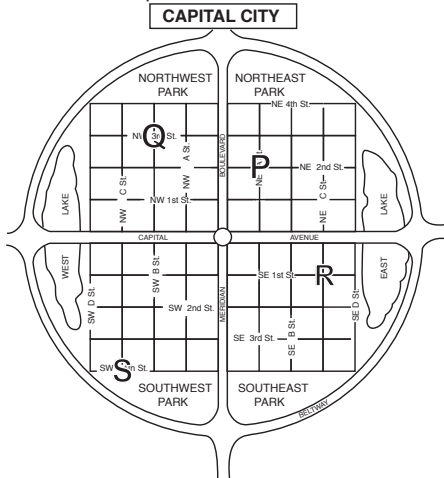
B-20 a. center
c. above
b. lower right

B-21 a. small triangle
c. small triangle
b. large square

- 70 **B-124** southeast **B-125** southwest
B-126 northeast
 71 **B-127** See Graphic

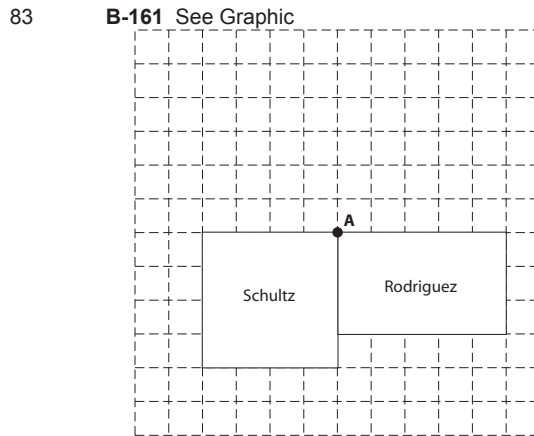
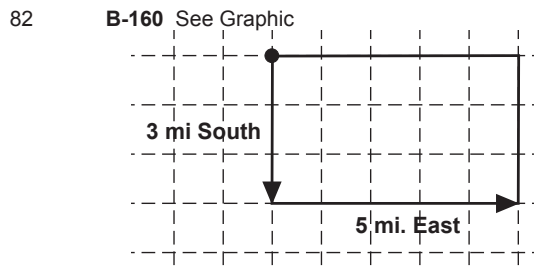


- a. Q b. R
 72 **B-128** "D", Fourth
B-129 "B", Second
 73 **B-130** "D", Third
B-131 three
B-132 "B", Fourth
B-133 Second Avenue
 74 **B-134** three, east, "B", and two, north, Sixth
B-135 four, north, First and five, east, "E"
 75 **B-136** See Graphic

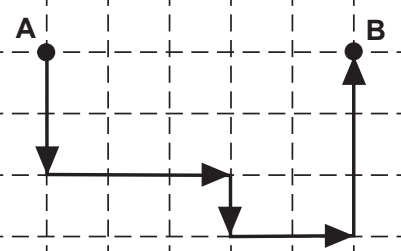


Point P northeast
 Point R southeast
 Point Q northwest
 Point S southwest

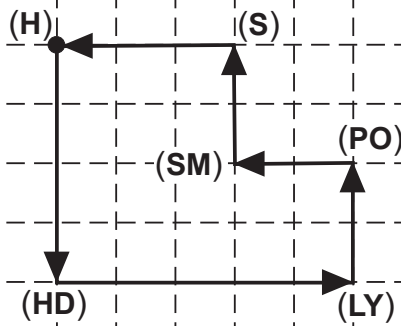
- 76 **B-137** 3, east **B-138** 5, north
B-139 6
B-140 3, west and 3, south or 3, south and 3, west
 77 **B-141** 4, south **B-142** 8
B-143 4, east and 4, south or 4, south and 4, east
 78 **B-144** Fresno **B-145** Santa Barbara
B-146 Stockton **B-147** San Bernardino
 79 **B-148** northwest **B-149** south
B-150 northeast **B-151** northeast
 81 **B-152** Smithsonian **B-153** Natural History Museum
B-154 White House **B-155** east, Constitution Avenue
B-156 southeast **B-157** west
B-158 south, east **B-159** The Mall



- B-162** three **B-163** 16 miles
B-164 16 miles **B-165** 15 square miles
B-166 16 square miles
 84 **B-167** See Graphic



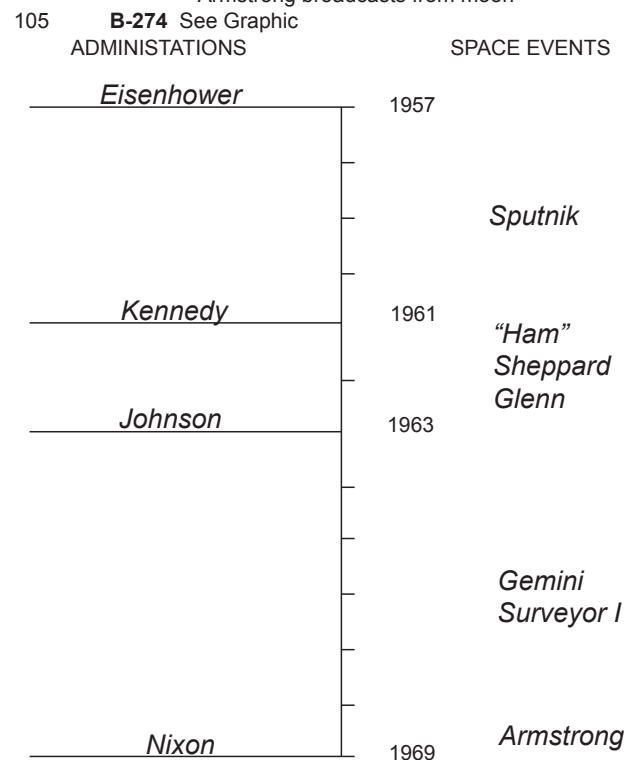
- B-168** 11 miles **B-169** 5 miles
B-170 6 miles
 85 **B-171** See Graphic



- B-172** 2 miles **B-173** west
B-174 18 miles
 86 **B-175** truce **B-176** graduate
B-177 harvest **B-178** adult
B-179 terminal **B-180** wilt
B-181 occupy
 87 **B-182** succeed **B-183** determine
B-184 following **B-185** conclude
B-186 expenditures **B-187** consequence
B-188 conclude
 88 **B-189** read, memorize, recite
B-190 design, manufacture, distribute

- B-191** beforehand, presently, afterward
- B-192** read, deliberate, believe
- B-193** examine, choose, purchase or choose, examine, purchase
- B-194** plan, action, consequence
- B-195** obsolete, recent, current
- 89 **B-196** measure, mark, cut
- B-197** primary, intermediate, secondary
- B-198** research, outline, write
- B-199** exploration, discovery, colonization or discovery, exploration, colonization
- B-200** designing, engineering, contracting or designing, contracting, engineering
- B-201** stress, crack, crumble
- B-202** defrost, cook, serve
- 90 Sample Answer
 - B-203** arrival
 - B-205** result
 - B-207** eat
 - B-209** cure
 - B-211** modern
 - B-204** performance
 - B-206** late
 - B-208** receive
 - B-210** solution
- 91 Sample Answer
 - B-212** finish
 - B-214** leave
 - B-216** boil
 - B-218** fall
 - B-220** obtain
 - B-221** abundant
 - B-223** actual
 - B-225** argue
 - B-227** retreat
 - B-229** unique
 - B-231** untied
 - B-213** evening
 - B-215** future
 - B-217** answer
 - B-219** conviction
- 92 **B-222** deny
- B-224** devotion
- B-226** compel
- B-228** frantic
- B-230** essential
- B-232** order
- 93 **B-233** regulate, limit, prohibit
- B-234** dislike, reject, shun
- B-235** excited, violent, savage
- B-236** contempt, criticism, acceptance or acceptance, criticism, contempt
- B-237** dull, lustrous, vivid
- B-238** significant, urgent, vital
- 94 **B-239** chimpanzee, baboon, gorilla
- B-240** candle, bulb, beacon
- B-241** traitor, citizen, patriot
- B-242** typical, admirable, ideal
- B-243** dissatisfied, grouchy, hostile
- B-244** security, risk, peril or peril, risk, security
- B-245** deny, suggest, confirm or confirm, suggest, confirm
- B-246** extinct, rare, common or common, rare, extinct
- 96 Sample Answer
 - B-247** trio
 - B-248** deafening, blaring, thundering, booming
 - B-249** follow, trail, succeed
 - B-250** likely, probable
 - B-251** frequently, often, constantly
 - B-252** fewer, less
 - B-253** stench, stink
 - B-254** certain, definite, inevitable
 - B-255** blaze, flare, flame or glare, intense, brightness
- 97 Sample Answer
 - B-256** damp, moist or soggy, soaked, drenched
 - B-257** annoyed, peeved, dissatisfied or furious, outraged, enraged
 - B-258** trickle, seep or flood, inundate, cascade, deluge
 - B-259** reluctant, resistant or eager, enthusiastic
 - B-260** suggest, hint or demand, insist
 - B-261** whimper, moan, complain or wail,

- bellow, scream
- B-262** anxious, concerned or horrified, terrified
- 98 **B-263** Boeing 707, Concord jet, air-speed record
- B-264** blue whale (90ft.), whale shark (60ft.), white shark (40ft.)
- 99 **B-265** Pentagon, Great Pyramid of Cheops, St. Peter's Cathedral, Colosseum in Rome
- B-266** baseball diamond, skating rink, football field, soccer field
- 100 **B-267** World War II – 300,000
Civil War – 214,000
World War I – 53,500
Vietnam War – 47,500
- B-268** Tokyo – 15,500
Mexico City – 12,600
New York City – 9,300
Chicago – 6,200
- 101 **B-269** World War I
Founding of the League of Nations
World War II
Founding of the United Nations
- B-270** Schubert
Wagner
Tchaikovsky
- 102 **B-271** 5, 2, 4, 1, 3
egg, larva, cocoon, pupa, adult
- 103 **B-272** 3, 1, 2, 5, 4
abacus, digital computer, analog computer, electronic computer, microchip leading to small modern computer
- 104 **B-273** 4, 5, 2, 1, 7, 3, 6, 8
"Sputnik" – Eisenhower (1958)
"Ham" – Kennedy (1961)
first American in space – Johnson
John Glenn's orbital flight (Nixon 1969)
Gemini program
Surveyor I
Neil Armstrong walks on moon
Armstrong broadcasts from moon



107 **B-275** See Graphic
POLITICAL EVENTS

SCIENTIFIC EVENTS

<i>End of World War II</i>	—1945—	<i>Atomic bomb (Alamagordo)</i> <i>Vitamin A synthesized</i>
<i>First meeting of U.N. General Assembly</i>	—1946—	<i>Electronic brain (Penn. U.)</i> <i>Xerography (Chester Carlson)</i>
<i>Marshall Plan</i> <i>India's Independence</i>	—1947—	<i>Transistor</i>
<i>Ghandi assassinated</i> <i>Israel established</i>	—1948—	<i>Aueromycin and Chloromycetin introduced</i>
<i>Vietnam established</i> <i>Chiang Kai-shek to Formosa</i> <i>Mao Tse-tung on mainland China</i>	—1949—	<i>Cortisone and Neomycin produced</i>
<i>Korean War</i>	—1950—	

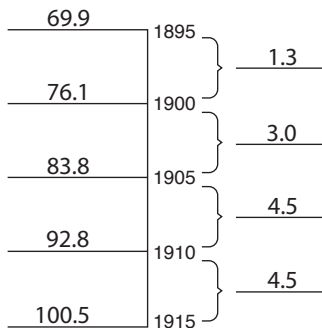
109 **B-276** See Graphic
TELEVISION

DISNEY

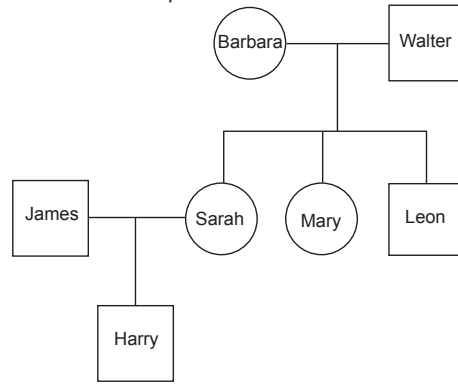
<i>Cathode-ray tube (1892)</i>	—1890—	
	—1895—	
	—1900—	<i>Disney born (1901)</i>
	—1905—	
<i>Rosing projects shadow (1907)</i>	—1910—	
	—1915—	
	—1920—	<i>Short animated fairy tales (1919)</i> <i>Moved to California (1923)</i>
<i>Baird transmits image (1925)</i>	—1925—	
<i>First broadcast: Schenectody (1928)</i>		<i>Sound; Mickey Mouse: Steamboat Willy (1928)</i>
<i>Bell Lab's color experiments (1929)</i>	—1930—	<i>Silly Symphonies (1929)</i> <i>Color: Flowers and Trees (1931)</i> <i>Goofy: Mickey's Review (1932)</i> <i>Donald Duck: Wise Little Hen (1934)</i>
	—1935—	
<i>Commercial TV antenna (1938)</i>		<i>First full-length animated: Snow White (1937)</i>
<i>FDR TV broadcast (1939)</i>	—1940—	<i>First full-length feature: Fantasia (1940)</i>
<i>First regular TV broadcast (1941)</i>	—1945—	
	—1950—	<i>Live action films: Living Desert (1953)</i> <i>First TV series: Disneyland (1954)</i>
<i>1.5 million TV sets in the U.S. (1950)</i>	—1950—	
<i>Color TV (1951)</i>		<i>Mickey Mouse Club (1955)</i>
<i>29 million TV sets in the U.S. (1954)</i>	—1955—	

110 **B-277** See Graphic
U.S. POPULATION

NUMBER OF IMMIGRANTS

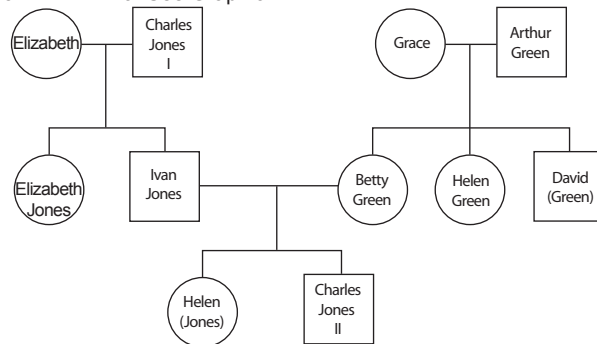


112 **B-278** See Graphic



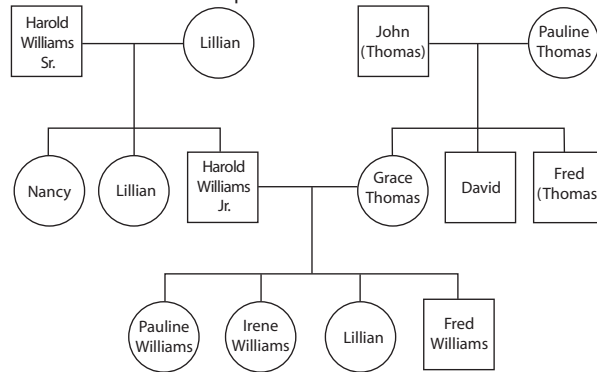
- a. Barbara Winston
- b. Winston
- c. Leon Winston

113 **B-279** See Graphic



- a. Charles Jones I and Arthur Green
- b. David Green

114 **B-280** See Graphic



117 **B-281** See Graphic

	B	C	F	J
1	N	N	N	Y
2	N	N	Y	N
4	Y	N	N	N
6	N	Y	N	N

B-282 See Graphic

	C	Sh	SU	T
49	Y	N	N	N
75	N	Y	N	N
88	N	N	N	Y
100	N	N	Y	N

- 127 **B-296** Follows an alternating yes-no rule
Follows the no rule
B-297 Follows an alternating yes-no rule
Follows the yes rule
Follows the no rule

128 **B-298** See Graphic

	IT IS WHITE	IT IS CHECKED	IT IS NOT WHITE	IT IS NOT CHECKED
	FALSE	T	T	F
	F	F	T	TRUE
	T	F	FALSE	T
	TRUE	F	F	T
	F	FALSE	T	T
	F	TRUE	T	F

129 **B-299** triangle square checked triangle

132 **B-300** See Graphic

Use these shades only ↓					
	FALSE	FALSE	FALSE	FALSE	TRUE
	FALSE	TRUE	FALSE	TRUE	FALSE
	TRUE	FALSE	TRUE	FALSE	FALSE

133 **B-301** See Graphic

Use these shades only ↓				
	FALSE	FALSE	FALSE	FALSE
	FALSE	FALSE	FALSE	TRUE
	TRUE	TRUE	TRUE	FALSE

134 **B-302** See Graphic

Use these shades only ↓					
	FALSE	FALSE	FALSE	FALSE	TRUE
	TRUE	FALSE	TRUE	FALSE	FALSE
	FALSE	TRUE	FALSE	TRUE	FALSE

135 **B-303** See Graphic

Use these shades only ↓					
	TRUE	FALSE	FALSE	FALSE	TRUE
	FALSE	FALSE	FALSE	FALSE	FALSE
	FALSE	TRUE	TRUE	TRUE	FALSE

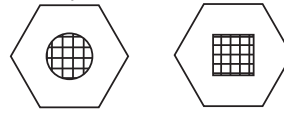
136 **B-304** See Graphic

Use these shades only ↓				
	FALSE	FALSE	FALSE	TRUE
	TRUE	TRUE	FALSE	FALSE
	FALSE	FALSE	TRUE	TRUE

- 137 **B-305** a. no
b. no
c. yes
d. no
e. yes
f. no
g. yes
h. no
i. yes

- 138 **B-306** a. no
b. yes
c. yes
d. yes
e. no
f. no
g. yes
h. no
i. yes

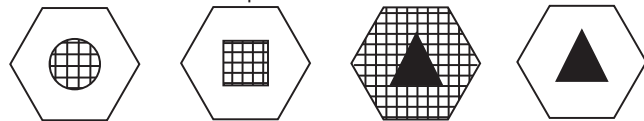
139 **B-307** See Graphic



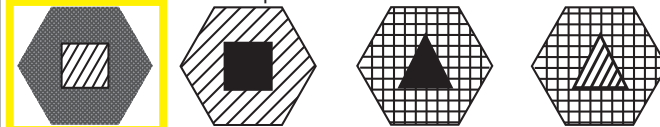
B-308 See Graphic



B-309 See Graphic



B-310 See Graphic



140 **B-311** no
B-313 no

B-312 yes

141 **B-314** See Graphic

A	B	A and B
		NO
		NO
		NO
		YES

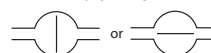
142 **B-315** See Graphic
then B is



B-316 See Graphic
then B is



B-317 See Graphic
then B is



B-318 no

- summer **season**, the temperature seems hotter than ever.
 f. occurring twice a year at equal intervals, usually every 6 months
 According to the advertisement, this store places its entire stock of merchandise on sale **semiannually**.
 g. occurring twice a week
 Mrs. Kirch has gone to the bank to make the **semiweekly** deposit.
 h. a period of 7 days; 1/52 of a year
 I have three reports due this **week**.
- 210 **B-456** a. 7 b. 8
 c. 2 d. 1
 e. 11 f. 10
 g. 3 h. 12
 i. 4 j. 6
 k. 5 l. 9
- B-457** a. 3 b. 10
 c. 7 d. 1
 e. 4 f. 11
 g. 14 h. 6
 i. 9 j. 2
 k. 5 l. 8
 m. 13 n. 12
- B-458** a. 10 b. 8
 c. 6 d. 4
 e. 5 f. 1
 g. 2 h. 9
 i. 7 j. 3
- 211 **B-459** annually
B-460 hourly
B-461 monthly
B-462 quarterly
B-463 weekly
B-464 semiweekly
B-465 biweekly; semimonthly
B-466 daily
- 212 **B-467** a. vernal equinox (March 21) and autumnal equinox (September 21)
 b. fall or autumn c. spring
 d. winter e. summer
- 213 **B-468** Sample Answer
 a. 5:00 - 6:00 p.m.
 b. 4:30 a.m. (5:30 a.m. daylight savings time)
 c. 7:00 p.m. to 8:00 p.m.
 d. 7:00 p.m. to 5:00 a.m.
e. 6:00 a.m. to 5:00 p.m.
 f. 9:00 p.m. to 5:00 a.m.
- 214 **B-469** 2:05 p.m. PST
B-470 8:05 p.m. EST
- 215 **B-471** 11:45 a.m. MST **B-472** 1:45 p.m. CST
B-473 10:20 a.m. EST **B-474** 8:20 a.m. CST
B-475 11:15 p.m. PST **B-476** 11:25 a.m. MST
B-477 3:25 p.m. EST
- 216 **B-478** 11:00 a.m. EST
B-479 4 hours and 15 minutes
- 217 **B-480** 1:43 p.m. to 2:50 p.m. EST
B-481 5 hours and 50 minutes
B-482 3:00 p.m. – 11:00 p.m. EST
B-483 3:00 a.m. – 11:00 a.m. HST
- 218 **B-484** Jenna, Sandy, Helen, Carol, Shawn, Catherine, Fred
- 219 **B-485** Pick up brother from day-care center
 Do homework
 Prepare supper
 Eat supper
 Clean bedroom or put away clothes
 Help brother get ready for bed
 Put away clothes or clean bedroom

- 220 **B-486**
 Gordon's jobs*
 carry in paint (10 min.)
 carry in tools (20 min.)
 carry in lumber (20 min.)
 put paint cans on shelf (20 min.)
 Two-person jobs
 move lathe (20 min.)**
 move drill press (10 min.)**
 move workbench (20 min.)**
 Tad's job*
 sweep garage (30 min.)
 fill workbench with tools (40 min.)
 * Jobs are interchangeable. **Order may vary.
- 221 **B-487** 9:00 – 10:00 roller coaster (3 rides/hour)
 10:00 – 10:45 rock concert
 10:45 – 11:30 arcade I
 11:30 – 12:00 ferris wheel (2 rides)
 12:00 – 1:00 lunch
 1:00 – 1:45 arcade II
 1:45 – 2:15 jazz concert
 2:15 leave for the parking lot

222 **B-488** Sample Answer/See Graphic

	Monday	Tuesday	Wednesday	Thursday	Friday
8-9	← Language Arts →				
9-10	← Math →				
10-11	Gym	↑ Science	Gym	↑ Science	Gym
11-12	Art	↓ Science	Art	↓ Science	Typing
12-1	← Lunch →				
1-2	Computer	Music	Computer	Music	Computer
2-3	← Social Studies → AV				

223 **B-489** Sample Answer/See Graphic

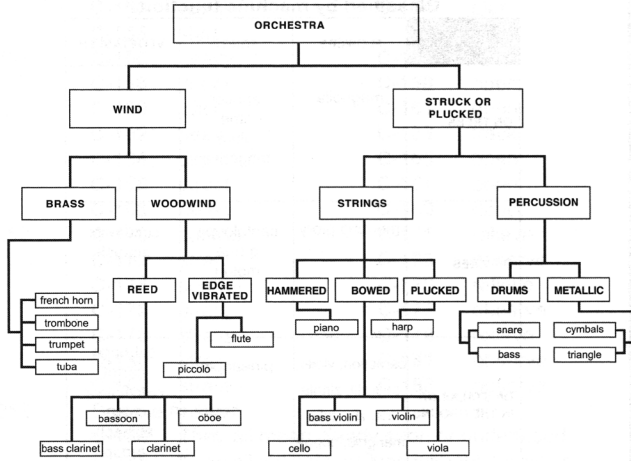
TIME	FLUIDS	DECONG.	ASPIRIN	ANTIBIOTIC	VAPORIZER
6:00 a.m.	✓				✓
8:00 a.m.	✓	✓		✓	
10:00 a.m.	✓		✓		✓
12:00 noon	✓			✓	
2:00 p.m.	✓		✓		✓
4:00 p.m.	✓	✓			
6:00 p.m.	✓		✓	✓	✓
8:00 p.m.	✓				
10:00 p.m.	✓		✓		✓
12:00 midnight	✓	✓			

224 **B-490** Sample Answer/See Graphic

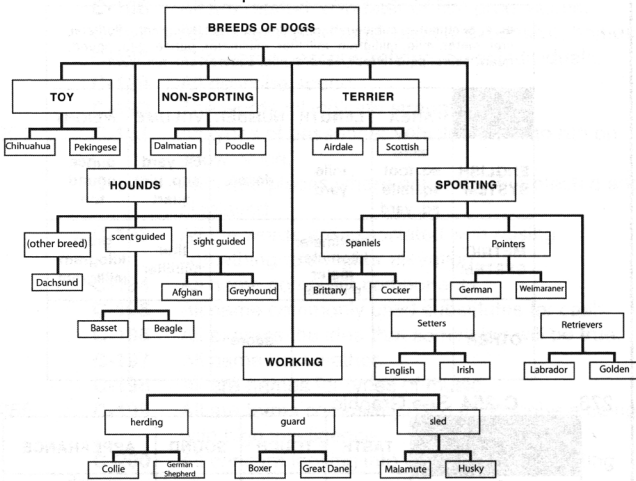
	Days	Total Hours
Anita (weekdays only)	Mon, Tues	16
Cheryl	Sun, Mon	16
Dino (weekends only)	Sat, Sun	16
Josh	Wed, Thur	16
Kim (afternoons only)	Tues, Wed, Thur, Sat	16
Leslie	Fri, Sat	16
Monroe	Fri, Sun	16
Pam (mornings only)	Tues, Wed, Thur, Sat	16

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
a.m.	Dino Cheryl Monroe	Anita Cheryl	Anita Pam	Josh Pam	Josh Pam	Leslie Monroe	Dino Leslie Pam
p.m.	Dino Cheryl Monroe	Anita Cheryl	Anita Kim	Josh Kim	Josh Kim	Leslie Monroe	Dino Leslie Kim

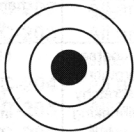
277 C-256 See Graphic



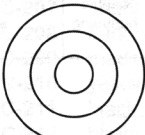
279 C-257 See Graphic



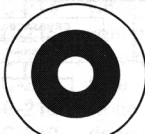
281 C-258 See Graphic



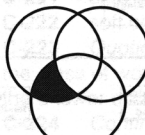
C-260 See Graphic



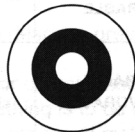
C-262 See Graphic



282 C-263 See Graphic



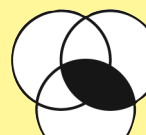
C-259 See Graphic



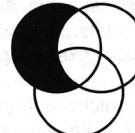
C-261 See Graphic



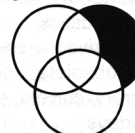
C-264 See Graphic



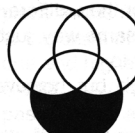
C-265 See Graphic



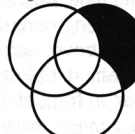
C-267 See Graphic



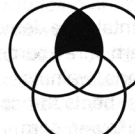
C-269 See Graphic



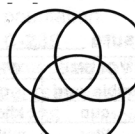
283 C-270 See Graphic



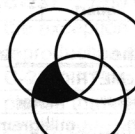
C-272 See Graphic



C-274 See Graphic



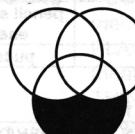
C-276 See Graphic



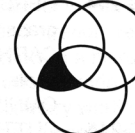
284 C-277 See Graphic



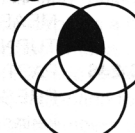
C-279 See Graphic



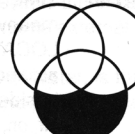
C-266 See Graphic



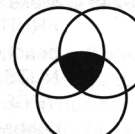
C-268 See Graphic



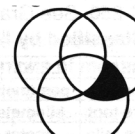
C-271 See Graphic



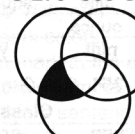
C-273 See Graphic



C-275 See Graphic



C-278 See Graphic



C-280 See Graphic

