

POLICE OFFICER
PREPARATION MATERIALS

7

NUMERICAL ORDERING

DIRECTIONS: For questions 1-7, if the underlined number and the five numbers which follow were arranged numerically from lowest to highest, which number would *immediately follow* the underlined number?

1. 485-84-8658

- a. 486-84-8659
- b. 485-84-6858
- c. 485-83-8659
- d. 485-80-8658
- e. 487-82-8680

2. 3262595

- a. 3285956
- b. 3259586
- c. 3262496
- d. 3272420
- e. 3262663

3. 15-92-9542

- a. 15-94-9549
- b. 17-92-9545
- c. 16-82-9724
- d. 15-97-9924
- e. 18-00-2345

4. 582-94-3786

- a. 584-03-4829
- b. 582-94-2838
- c. 582-96-4982
- d. 586-58-2355
- e. 584-23-3857

5. 9724613

- a. 9715603
- b. 9800504
- c. 9744614
- d. 9730254
- e. 9728024

6. 485295364

- a. 458295023
- b. 462358835
- c. 485285365
- d. 482535402
- e. 485323852

7. 7493-18-2582

- a. 7493-18-2488
- b. 7492-25-3623
- c. 7839-19-2590
- d. 7729-18-2595
- e. 7858-18-2583

11. 912616400264917
734975341281643
620879461284231
162813959218749

912616400264917
734975341281643
620879461284231
162813959218749

- A. OK
- B. 4
- C. 6
- D. 9

12. 243656179873060
379157467841340
056978780134794
618704138739120

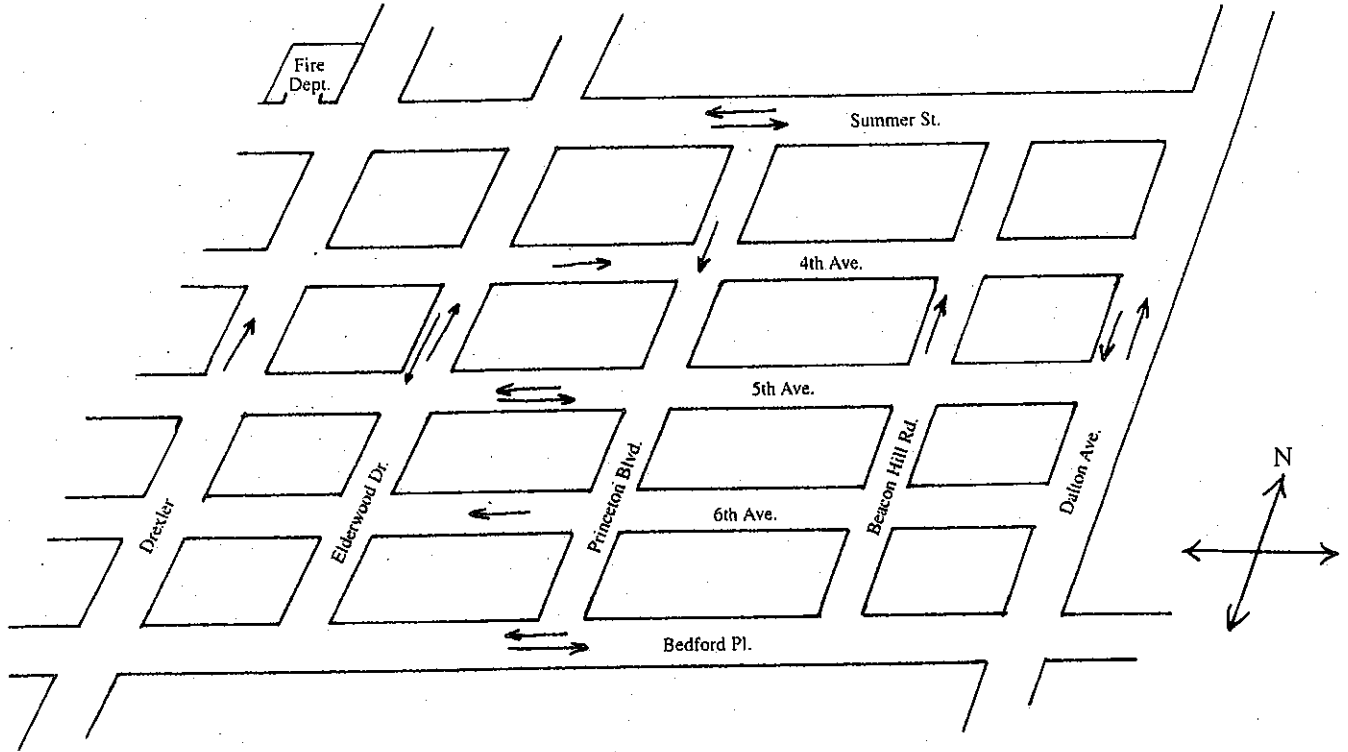
243656179873060
379156467841340
056978780134794
618704138739120

- A. OK
- B. 2
- C. 6
- D. 8

NUMERICAL ORDERING - Answers

1. a
2. e
3. a
4. c
5. e
6. e
7. d
8. b
9. d
10. b
11. a
12. c

ANSWER QUESTIONS 1 THROUGH 9 ON THE BASIS OF THE DIAGRAM BELOW



Arrows indicate direction of traffic flow.

1. If the fire department needed to dispatch a medical aid unit to the corner of Drexler and 5th Avenue, what would be the most direct route to take?
- A. Left on Summer Street, right on Elderwood Drive, and then right on 5th Avenue to Drexler.
 - B. Left on Summer Street and then right on Drexler to 5th Avenue.
 - C. Left on Summer Street, right on Princeton Boulevard and then right on 5th Avenue to Drexler.
 - D. Right on Summer Street, left on Elderwood Drive, and then left on 5th Avenue to Drexler.

2.

If a fire inspector were to drive four blocks east from the fire house, three blocks south, and then two blocks west, where exactly would he or she end up?

- A. The intersection of 6th Avenue and Princeton Boulevard
- B. The intersection of 4th Avenue and Beacon Hill Road
- C. The intersection of 4th Avenue and Princeton Boulevard
- D. The intersection of Dalton Avenue and Bedford Place

3.

According to the diagram, what direction is the intersection of Elderwood Drive and 6th Avenue from the intersection of Summer Street and Dalton Avenue?

- A. Northeast
- B. South
- C. Southwest
- D. North

4.

A fire truck was heading west on Bedford Place and had just passed Beacon Hill Road when an emergency call came over the radio. If the truck was directed to respond to a two-car collision at the intersection of Beacon Hill Road and Summer Street, what would be the most direct approach to take, considering the circumstances?

- A. Turn south on Princeton Boulevard to Summer Street and go west one block.
- B. Make a U-turn on Bedford Place and then proceed up Beacon Hill Road to the accident site.
- C. Turn north on Elderwood Drive, east on 6th Avenue, and then north on Beacon Hill Road to Summer Street.
- D. Turn north on Elderwood Drive and then east on Summer Street to the accident site.

5.

Where is the fire department in relation to the intersection of Drexler and Bedford Place?

- A. South
- B. North
- C. West
- D. East

6.

Someone new to the area stops at the fire department to ask for directions. If this person is trying to get to Sheridan Village Plaza, at the southeast corner of the intersection of 5th Avenue and Beacon Hill Road, which set of directions given below would provide the most direct route? (Assume parking access is limited to an entryway located on the east side of the street between 5th and 6th Avenues.)

- A. Go east on Summer Street, and then south on Beacon Hill Road to 5th Avenue.
- B. Go east on Summer Street, south on Elderwood Drive, east on 5th Avenue, and then south on Beacon Hill Road half a block before making a turn east into the parking lot.
- C. Go east on Summer Street, south on Dalton Avenue, west on 6th Avenue, and then north half a block on Beacon Hill Road and then make a turn east into the parking lot.
- D. Go east on Summer Street, south on Elderwood Drive, east on Bedford Place, north on Beacon Hill Road half a block past 6th Avenue, and make a turn west into the parking lot.

7.

Where is Sheridan Village Plaza in relation to the southeast corner of the intersection of 4th Avenue and Princeton Boulevard?

- A. Northwest
- B. Northeast
- C. Southwest
- D. Southeast

8.

Assume for the moment that there is a residential fire on 6th Avenue between Princeton Boulevard and Beacon Hill Road. If the closest fire hydrant is located on the northwest corner of the intersection of Bedford Place and Beacon Hill Road, which set of directions given below would give the most direct approach for fire apparatus? (Take into account the necessity for quick hydrant hook-up and laying of hose to the scene of the fire.)

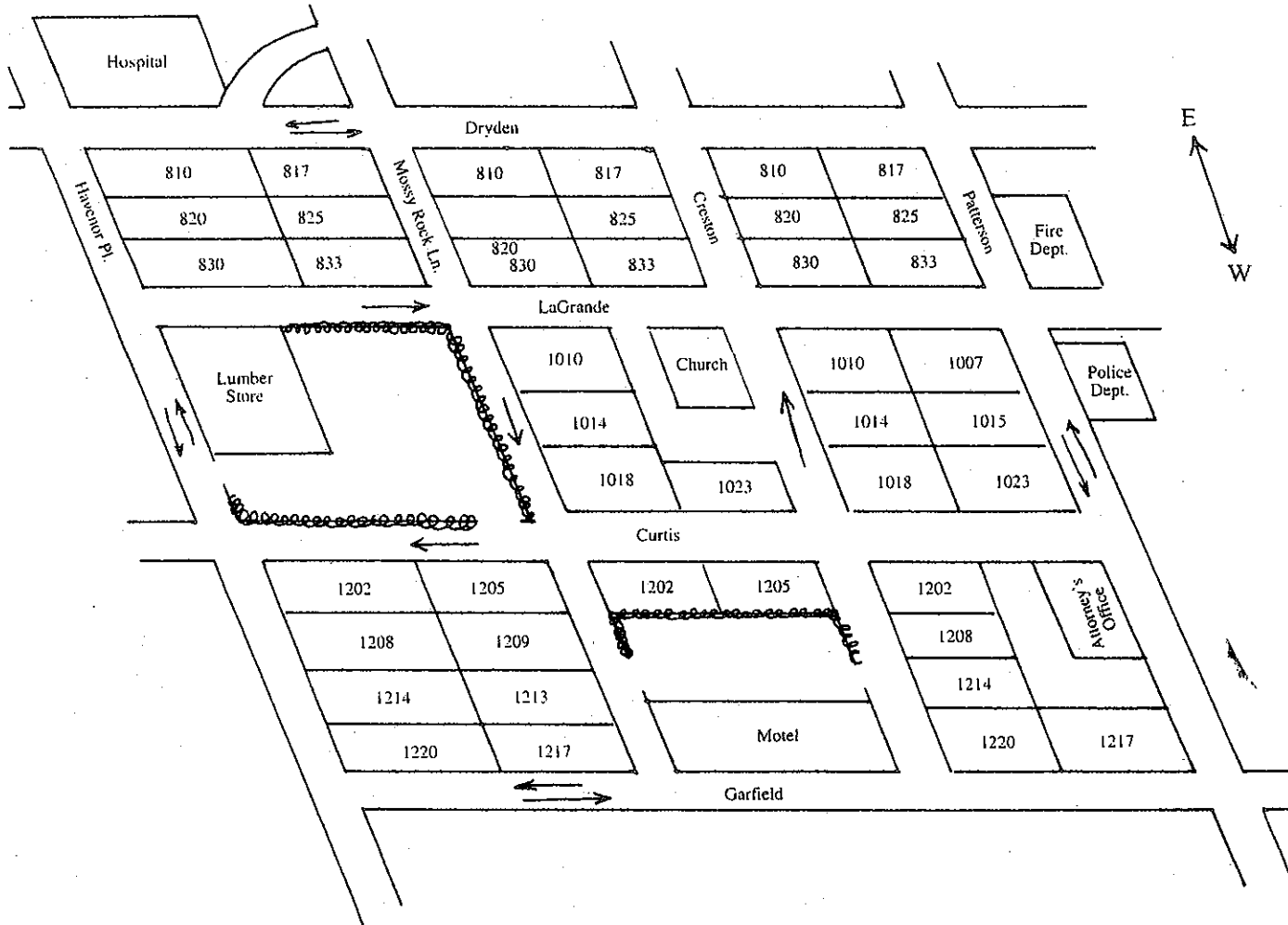
- A. East on Summer Street, south on Elderwood Drive, east on 5th Avenue, south on Dalton Avenue, and then $1\frac{1}{2}$ blocks west on 6th Avenue.
- B. East on Summer Street, south on Princeton Boulevard, and then half a block east on 6th Avenue.
- C. East on Summer Street, south on Princeton Boulevard, east on Bedford Place, north on Beacon Hill Road, and then half a block west on 6th Avenue.
- D. East on Summer Street, south on Dalton Avenue, and then $1\frac{1}{2}$ blocks west on 6th Avenue.

9.


Refer to Question 8 again. Where is the fire hydrant located in respect to the residence that is on fire?

- A. Southeast B. South C. Northwest D. North

ANSWER QUESTIONS 10 THROUGH 16 ON THE BASIS OF THE DIAGRAM BELOW



Numbers denote residential structures.

 denotes fencing

10.

What direction is the residence at 820 Havenor Place in relation to the fire department on Patterson?

- A. North B. South C. West D. Southeast

11.

By the time the fire department is notified that there is a fire at the lumber yard, it has grown to intense proportions. It is no longer a question of how to extinguish it; rather, firefighters have become more concerned with containment. Considering the fact that there is a fairly stiff wind heading south, what structure in addition to the residential units would be in jeopardy from flying ash?

- A. 1014 Mossy Rock Lane B. Motel on Garfield
C. 1205 Mossy Rock Lane D. Church on Creston

12. What is the number of the house located at the northeast corner of the intersection of Creston and Lagrande?

- A. 1010 Lagrande B. 830 Creston C. 833 Creston D. 833 Lagrande

13. Where would someone end up after driving one block north of the police department and then going one block east before going another two blocks north?

- A. Between 830 Havenor Place and the lumber yard.
B. In front of the hospital.
C. In front of the motel.
D. On Dryden just east of 810 Mossy Rock Lane.

14. If a police unit must respond to a domestic dispute at 1213 Mossy Rock Lane, what would be the most direct route for a unit located at 810 Creston to take to arrive at the scene?

- A. Proceed west on Creston and then make a left turn onto Curtis.
B. Make a left turn on Dryden and then another left turn on Mossy Rock Lane and continue approximately two and a half blocks.
C. Make a right turn on Dryden and then a left turn on Mossy Rock Lane and continue approximately two and a half blocks.
D. Proceed south on Dryden to Mossy Rock Lane and then go approximately two and a half blocks west.

15. Where is the attorney's office in relation to 833 Mossy Rock Lane?

- A. Northwest B. Southeast C. Northeast D. Southwest

16. Assume that the residents of 820 Havenor Place attended the church located on the corner of Lagrande and Creston. What would be the most direct route these people could take to get from their home to the church parking lot via the south entryway?

- A. West on Havenor Place, south on Lagrande for $1\frac{1}{2}$ blocks, and then west into the parking lot.
B. West on Havenor Place, south on Lagrande, and then west on Creston.
C. West on Havenor Place, south on Curtis, and then east on Creston.
D. West on Havenor Place, south on Lagrande, west on Patterson, north on Curtis, and then east half a block on Creston.

Map Answers

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.

- A. Left on Summer Street, right on Elderwood Drive, and then right on 5th Avenue to Drexler is the most direct route. Choice B is wrong because Drexler is a one-way street. Choice C is wrong because that route takes you one block out of the way in getting to the emergency scene. Choice D is incorrect because the directions given are in error. If an aid unit made a right turn on Summer Street, it would essentially leave the map. The other directions given in Choice D are in error as well.
- A. The intersection of 6th Avenue and Princeton Boulevard.
- C. Southwest. Choice A would have been correct if the question had used the word *to* instead of *from*.
- D. Turn north on Elderwood Drive and then east on Summer Street to the accident site. Choice A is incorrect because the fire apparatus cannot go south on Princeton Avenue. Choice B is incorrect because a U-turn is illegal. Choice C is incorrect because this route runs counter to the one-way direction on 6th Avenue.
- B. North.
- C. Go east on Summer Street, south on Dalton Avenue, west on 6th Avenue, and then half a block north on Beacon Hill Road before making a turn east into the parking lot. Choice A is incorrect because going south on Beacon Hill Road runs counter to traffic flow. Choice B is incorrect for the same reason as Choice A. Choice D is wrong because you must turn east, not west off Beacon Hill Road to find parking. (See Figure 1.)
- D. Southeast.
- C. Going east on Summer, south on Princeton Boulevard, east on Bedford Place, north on Beacon Hill Road, and then half a block west on 6th Avenue would allow for convenient hydrant hook-up and hose lay to the scene of the fire. Choices A and D are both incorrect because the route taken on 6th Avenue is not convenient for hydrant hook-up considering the hydrant's location with respect to the fire. Choice B is incorrect because you cannot travel east on 6th Avenue. (See Figure 2.)

Figure 1

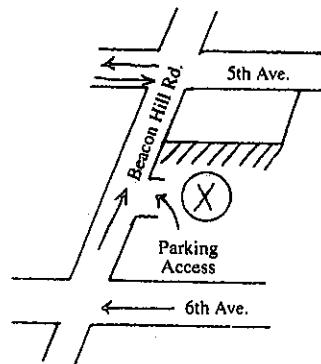
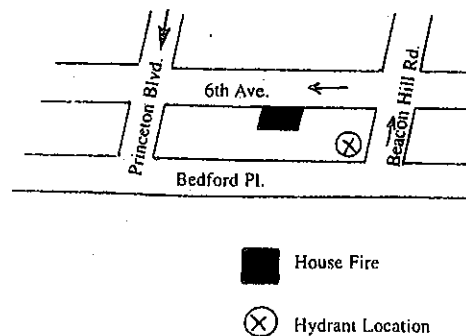


Figure 2



- A. Southeast.
- A. North.
- D. Church on Creston.
- C. 833 Creston. This question deserves a little more scrutiny than might be first expected. Choices A and D are incorrect because neither address exists. Look at how the street numbers get larger the further west you proceed. This pattern should indicate that these numbers apply only to streets running east-west, not north-south. Therefore, Dryden, Lagrande, Curtis, and Garfield streets do not have residential numbers, whereas Havenor Place, Mossy Rock Lane, Creston, and Patterson streets do. Choice B is incorrect because that house number is located on the southeast corner of the intersection of Creston and Lagrande.
- B. In front of the hospital.
- B. Make a left turn on Dryden and then another left turn on Mossy Rock Lane and proceed approximately $2\frac{1}{2}$ blocks. Choice A is wrong because Creston is a one-way street going east. Choice C is incorrect because if a police unit were to make a right turn on Dryden from

Creston, it would not intersect Mossy Rock Lane. Instead, it would be heading toward Patterson. Choice D is wrong because you cannot go south on Dryden from Creston and expect to intersect Mossy Rock Lane. This option is the same route as mentioned in Choice C; however, it is worded differently.

15.

D. Southwest.

16.

D. West on Havenor Place, south on Lagrande, west on Patterson, north on Curtis, and then half a block east on Creston. Choice A is wrong because the question was specific about entering the church parking lot via the south entryway, not the east entryway facing Lagrande. Choice B is incorrect because you cannot proceed west on Creston. Choice C is incorrect as well, because you cannot proceed south on Curtis. Both Curtis and Creston streets are one-way.