Estimation word problems

1. New York City has 77 patrol precincts. Each has 120 police cars and 3 police boats. There are about _____ police cars in New York City.

   a. 9,200   b. 9,600   c. 9,900

2. There are 35,783 police officers in the city. $\frac{1}{5}$ of them are females. There are about _____ male police officers in the city.

   a. 28,100   b. 28,600   c. 28,800

3. There were 95,844 reported cases in 2018, which is 1,245 fewer than last year. In 2017, there were _____ reported cases.

   a. 97,500   b. 97,900   c. 97,100

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4.   In 2019, there were 10,535 new law enforcement officers in the country, in addition to 686,665 law enforcement officers in 2018. In total, there were about _____ law enforcement officers in 2019.

a.   697,000   b.   696,000   c.   698,000

5.   In addition to 35,783 sworn officers, the city has hired 4,500 auxiliary officers, 3,500 traffic enforcement agents, and 10,454 civilian employees. There are about _____ individuals working in this department.

a.   44,000   b.   54,200   c.   58,900

6.   The city wanted to improve the response rate of the police officers. To accomplish this, 12 modern police cars ($30,000 each) and 4 ambulance cars ($127,000 each) will be needed. The city would be allotting around _____ for the cars.

a.   880,000   b.   870,000   c.   860,000

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Answers

1.   a. 9,200

2.   b. 28,600

3.   c. 97,100

4.   a. 697,000

5.   b. 54,200

6.   b. 870,000