

**Use the scenario to identifying populations and samplings.****Answers**

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| <p><b>1)</b> A musician wanted to see what people who bought his last album thought about the songs.<br/>Which choice <b>best</b> represents a population?</p> <p>A. A selection of 4,138 people who bought the album.</p> <p>B. Every person who bought the album.</p> <p>C. A selection of people who didn't want to buy the album.</p> <p>D. 262 girls who bought the album.</p> | <p><b>2)</b> A mayor wanted to see if the people in his town thought he was doing a good job.<br/>Which choice <b>best</b> represents a population?</p> <p>A. The people who voted for the mayor.</p> <p>B. The residents of 7 different neighborhoods.</p> <p>C. The residents of the town.</p> <p>D. 455 voters age 21 to 30.</p>                                                |
| <p><b>3)</b> A toy store owner tracking how much kids spend each month on toys.<br/>Which choice <b>best</b> represents a sample?</p> <p>A. 227 rich kids.</p> <p>B. All of the kids who buy toys.</p> <p>C. 270 boys age 7 - 15</p> <p>D. 220 kids from age 10 to 15.</p>                                                                                                          | <p><b>4)</b> A survey company was trying to see if people in a state thought the pollution was too high.<br/>Which choice <b>best</b> represents a sample?</p> <p>A. Every person who owns more than 3 cars.</p> <p>B. A selection of people from each city in the state.</p> <p>C. Every person who sent in a complaint about pollution.</p> <p>D. Every person in the state.</p> |
| <p><b>5)</b> A gaming website wanted to find out which console its visitors owned.<br/>Which choice <b>best</b> represents a sample?</p> <p>A. Visitors who are on the website for more than 5 minutes.</p> <p>B. Visitors to the PS4 section.</p> <p>C. All of the website visitors.</p> <p>D. Visitors to the 3DS section.</p>                                                    | <p><b>6)</b> A school principal wants to see which subject the {500} students in his school liked best.<br/>Which choice <b>best</b> represents a population?</p> <p>A. 1 classroom for each grade.</p> <p>B. The students in 3rd grade.</p> <p>C. The students making a B in math.</p> <p>D. All the students in the school.</p>                                                  |

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4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_



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**Answers**

- 1) A musician wanted to see what people who bought his last album thought about the songs. Which choice **best** represents a population?
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B. Every person who bought the album.  
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D. 262 girls who bought the album.
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B. The residents of 7 different neighborhoods.  
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D. 455 voters age 21 to 30.
- 3) A toy store owner tracking how much kids spend each month on toys. Which choice **best** represents a sample?
- A. 227 rich kids.  
B. All of the kids who buy toys.  
C. 270 boys age 7 - 15  
D. 220 kids from age 10 to 15.
- 4) A survey company was trying to see if people in a state thought the pollution was too high. Which choice **best** represents a sample?
- A. Every person who owns more than 3 cars.  
B. A selection of people from each city in the state.  
C. Every person who sent in a complaint about pollution.  
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- 5) A gaming website wanted to find out which console its visitors owned. Which choice **best** represents a sample?
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C. All of the website visitors.  
D. Visitors to the 3DS section.
- 6) A school principal wants to see which subject the {500} students in his school liked best. Which choice **best** represents a population?
- A. 1 classroom for each grade.  
B. The students in 3rd grade.  
C. The students making a B in math.  
D. All the students in the school.

1. **B**
2. **C**
3. **D**
4. **B**
5. **A**
6. **D**