



Use the scenario to identifying populations and samplings.

Answers

1) A beverage company wanted to see if people in the United States liked their new logo.

Which choice **best** represents a population?

- A. A selection of logo artists.
- B. Every person in the United States.
- C. A selection of shoppers from different states.
- D. 3,800 children age 5 - 15

2) A musician wanted to see what people who bought his last album thought about the songs.

Which choice **best** represents a sample?

- A. Every person who bought the album.
- B. A selection of people who didn't want to buy the album.
- C. 250 girls who bought the album.
- D. A selection of 3,294 people who bought the album.

3) A gaming website wanted to find out which console its visitors owned.

Which choice **best** represents a population?

- A. Visitors to the 3DS section.
- B. All of the website visitors.
- C. Visitors to the PS4 section.
- D. Visitors who are on the website for more than 5 minutes.

4) Before a nation wide election, a polling place was trying to see who would win.

Which choice **best** represents a sample?

- A. A selection of voters over age 50.
- B. A selection of male voters.
- C. A selection of voters of different ages.
- D. All voters.

5) A toy store owner tracking how much kids spend each month on toys.

Which choice **best** represents a population?

- A. All of the kids who buy toys.
- B. 227 rich kids.
- C. 228 boys age 7 - 15
- D. 235 kids from age 10 to 15.

6) A mayor wanted to see if the people in his town thought he was doing a good job.

Which choice **best** represents a sample?

- A. 1,000 unemployed voters.
- B. The mayor's family.
- C. The residents of the town.
- D. 242 voters.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_



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Answers

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



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- 1) Before a nation wide election, a polling place was trying to see who would win. Which choice **best** represents a sample?
- A. A selection of voters over age 50.
  - B. A selection of male voters.
  - C. All voters.
  - D. A selection of voters of different ages.

- 2) A restaurant chain wanted to find out how the customer experience was in a store. Which choice **best** represents a sample?
- A. 1 out of every 35 customers
  - B. All of the people who ate at the store.
  - C. 240 customers who spent more than \$10.
  - D. 299 customers who filled out complaint cards.

- 3) A mayor wanted to see if the people in his town thought he was doing a good job. Which choice **best** represents a sample?
- A. 124 voters.
  - B. The residents of the town.
  - C. 271 voters age 21 to 30.
  - D. Local business owners.

- 4) A survey company was trying to see if people in a state thought the pollution was too high. Which choice **best** represents a population?
- A. Every person in the state.
  - B. A selection of people from each neighborhood in the state.
  - C. A selection of people who live in dirty neighborhoods.
  - D. A selection of people who live in small towns.

- 5) A school principal wants to see which subject the 845 students in his school liked best. Which choice **best** represents a population?
- A. The students in 3rd grade.
  - B. The first 77 students who come into the school.
  - C. The students making a B in math.
  - D. All the students in the school.

- 6) A musician wanted to see what people who bought his last album thought about the songs. Which choice **best** represents a population?
- A. Every person who bought the album.
  - B. A selection of 7,285 people who bought the album.
  - C. A selection of people who didn't want to buy the album.
  - D. Every person from age 5 - 12 who bought the album.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_



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**Answers**

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



Use the scenario to identifying populations and samplings.

Answers

1) A mayor wanted to see if the people in his town thought he was doing a good job.

Which choice **best** represents a sample?

- A. The people who voted for the mayor.
- B. The residents of the town.
- C. 263 voters age 21 to 30.
- D. The residents of 5 different neighborhoods.

2) Before a nation wide election, a polling place was trying to see who would win. Which choice **best** represents a sample?

- A. A selection of male voters.
- B. A selection of voters over age 50.
- C. All voters.
- D. A selection of voters of different ages.

3) A toy store owner tracking how much kids spend each month on toys.

Which choice **best** represents a sample?

- A. 264 boys and girls in the toy store.
- B. All of the kids who buy toys.
- C. 257 boys age 7 - 15
- D. 211 rich kids.

4) A beverage company wanted to see if people in the United States liked their new logo.

Which choice **best** represents a population?

- A. A selection of logo artists.
- B. A selection of shoppers from different states.
- C. 189 male and female employees
- D. Every person in the United States.

5) A gaming website wanted to find out which console its visitors owned.

Which choice **best** represents a population?

- A. All of the website visitors.
- B. Visitors with an 'e' in their user name.
- C. Visitors over 23.
- D. Visitors to the 3DS section.

6) A musician wanted to see what people who bought his last album thought about the songs.

Which choice **best** represents a population?

- A. Every person from age 5 - 12 who bought the album.
- B. A selection of 3,701 people who bought the album.
- C. A selection of people who didn't want to buy the album.
- D. Every person who bought the album.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_



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Answers

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



Use the scenario to identifying populations and samplings.

Answers

1) A survey company was trying to see if people in a state thought the pollution was too high.

Which choice **best** represents a population?

- A. A selection of people from each neighborhood in the state.
- B. A selection of people who live in small towns.
- C. Every person in the state.
- D. A selection of people who live in dirty neighborhoods.

2) A school principal wants to see which subject the 695 students in his school liked best.

Which choice **best** represents a sample?

- A. The girls in the school.
- B. 1 classroom for each grade.
- C. All the students in the school.
- D. The students making a B in math.

3) A gaming website wanted to find out which console its visitors owned.

Which choice **best** represents a population?

- A. Visitors with an 'e' in their user name.
- B. Visitors to the 3DS section.
- C. Visitors over 22.
- D. All of the website visitors.

4) A toy store owner tracking how much kids spend each month on toys.

Which choice **best** represents a sample?

- A. All of the kids who buy toys.
- B. 275 rich kids.
- C. 200 kids from age 10 to 15.
- D. 292 boys age 7 - 15

5) A mayor wanted to see if the people in his town thought he was doing a good job.

Which choice **best** represents a population?

- A. The residents of 4 different neighborhoods.
- B. The residents of the town.
- C. 442 voters age 21 to 30.
- D. Local business owners.

6) A beverage company wanted to see if people in the United States liked their new logo.

Which choice **best** represents a sample?

- A. A selection of shoppers from different states.
- B. Every person in the United States.
- C. 153 male and female employees
- D. A selection of logo artists.

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- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_



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**Answers**

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





Use the scenario to identifying populations and samplings.

**Answers**

- 1) A toy store owner tracking how much kids spend each month on toys.  
Which choice **best** represents a sample?  
A. 248 boys age 7 - 15  
B. 250 boys and girls in the toy store.  
C. 222 rich kids.  
D. All of the kids who buy toys.

- 2) A survey company was trying to see if people in a state thought the pollution was too high.  
Which choice **best** represents a population?  
A. Every person who owns more than 3 cars.  
B. A selection of people from each neighborhood in the state.  
C. A selection of people who live in dirty neighborhoods.  
D. Every person in the state.

- 3) A mayor wanted to see if the people in his town thought he was doing a good job.  
Which choice **best** represents a population?  
A. 261 voters age 21 to 30.  
B. Local business owners.  
C. 272 voters.  
D. The residents of the town.

- 4) Before a nation wide election, a polling place was trying to see who would win.  
Which choice **best** represents a sample?  
A. A selection of voters over age 50.  
B. A selection of voters of different ages.  
C. All voters.  
D. A selection of votes from one part of the nation.

- 5) A gaming website wanted to find out which console its visitors owned.  
Which choice **best** represents a sample?  
A. All of the website visitors.  
B. Visitors over 21.  
C. Visitors to the PS4 section.  
D. Visitors with an 'e' in their user name.

- 6) A beverage company wanted to see if people in the United States liked their new logo.  
Which choice **best** represents a population?  
A. Every person in the United States.  
B. A selection of logo artists.  
C. A selection of shoppers from different states.  
D. 187 male and female employees

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_



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**Answers**

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



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- A. A selection of voters from all over the nation.
  - B. A selection of voters over age 50.
  - C. A selection of votes from one part of the nation.
  - D. All voters.

- 3) A mayor wanted to see if the people in his town thought he was doing a good job. Which choice **best** represents a population?
- A. 148 voters.
  - B. 253 voters age 21 to 30.
  - C. The mayor's family.
  - D. The residents of the town.

- 4) A toy store owner tracking how much kids spend each month on toys. Which choice **best** represents a sample?
- A. All of the kids who buy toys.
  - B. 208 boys age 7 - 15
  - C. 249 rich kids.
  - D. 205 kids from age 10 to 15.

- 5) A school principal wants to see which subject the 842 students in his school liked best. Which choice **best** represents a sample?
- A. The students in 3rd grade.
  - B. The students making a B in math.
  - C. 1 classroom for each grade.
  - D. All the students in the school.

- 6) A musician wanted to see what people who bought his last album thought about the songs. Which choice **best** represents a sample?
- A. 282 girls who bought the album.
  - B. A selection of 1,537 people who bought the album.
  - C. Every person from age 5 - 12 who bought the album.
  - D. Every person who bought the album.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_



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Answers

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



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Which choice **best** represents a sample?

- A. The residents of the town.
- B. The mayor's family.
- C. 1,000 unemployed voters.
- D. The residents of 5 different neighborhoods.

2) A toy store owner tracking how much kids spend each month on toys.

Which choice **best** represents a sample?

- A. 226 kids from age 10 to 15.
- B. 286 boys age 7 - 15
- C. 284 rich kids.
- D. All of the kids who buy toys.

3) Before a nation wide election, a polling place was trying to see who would win.

Which choice **best** represents a population?

- A. All voters.
- B. A selection of male voters.
- C. A selection of votes from one part of the nation.
- D. A selection of voters from all over the nation.

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Which choice **best** represents a population?

- A. Every person from age 5 - 12 who bought the album.
- B. Every person who bought the album.
- C. 213 girls who bought the album.
- D. A selection of 5,717 people who bought the album.

5) A beverage company wanted to see if people in the United States liked their new logo.

Which choice **best** represents a population?

- A. A selection of shoppers from different states.
- B. 3,741 children age 5 - 15
- C. Every person in the United States.
- D. 188 male and female employees

6) 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. Every person in the state.
- C. A selection of people who live in small towns.
- D. A selection of people from each neighborhood in the state.

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- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_



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Answers

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



Use the scenario to identifying populations and samplings.

**Answers**

- 1) A gaming website wanted to find out which console its visitors owned.  
Which choice **best** represents a sample?
- A. Visitors over 16.
  - B. Visitors to the 3DS section.
  - C. All of the website visitors.
  - D. Visitors with an 'e' in their user name.

- 2) Before a nation wide election, a polling place was trying to see who would win.  
Which choice **best** represents a population?
- A. A selection of votes from one part of the nation.
  - B. All voters.
  - C. A selection of male voters.
  - D. A selection of voters from all over the nation.

- 3) A mayor wanted to see if the people in his town thought he was doing a good job.  
Which choice **best** represents a population?
- A. The residents of the town.
  - B. 1,000 unemployed voters.
  - C. 258 voters.
  - D. 399 voters age 21 to 30.

- 4) A musician wanted to see what people who bought his last album thought about the songs.  
Which choice **best** represents a sample?
- A. Every person who bought the album.
  - B. A selection of 8,684 people who bought the album.
  - C. A selection of people who didn't want to buy the album.
  - D. 276 girls who bought the album.

- 5) 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 sent in a complaint about pollution.
  - B. A selection of people from each neighborhood in the state.
  - C. A selection of people who live in small towns.
  - D. Every person in the state.

- 6) A school principal wants to see which subject the 796 students in his school liked best.  
Which choice **best** represents a sample?
- A. All the students in the school.
  - B. The girls in the school.
  - C. The first 51 students who come into the school.
  - D. The students making a B in math.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_



Use the scenario to identifying populations and samplings.

- 1) A gaming website wanted to find out which console its visitors owned.  
Which choice **best** represents a sample?
- A. Visitors over 16.
  - B. Visitors to the 3DS section.
  - C. All of the website visitors.
  - D. Visitors with an 'e' in their user name.

- 2) Before a nation wide election, a polling place was trying to see who would win.  
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Answers

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





Use the scenario to identifying populations and samplings.

Answers

- 1) A toy store owner tracking how much kids spend each month on toys. Which choice **best** represents a population?
- A. All of the kids who buy toys.
  - B. 226 boys and girls in the toy store.
  - C. 230 rich kids.
  - D. 261 boys age 7 - 15

- 2) A musician wanted to see what people who bought his last album thought about the songs. Which choice **best** represents a sample?
- A. Every person from age 5 - 12 who bought the album.
  - B. A selection of 9,630 people who bought the album.
  - C. 268 girls who bought the album.
  - D. Every person who bought the album.

- 3) Before a nation wide election, a polling place was trying to see who would win. Which choice **best** represents a population?
- A. All voters.
  - B. A selection of voters from all over the nation.
  - C. A selection of votes from one part of the nation.
  - D. A selection of voters over age 50.

- 4) A survey company was trying to see if people in a state thought the pollution was too high. Which choice **best** represents a population?
- A. Every person who owns more than 3 cars.
  - B. Every person who sent in a complaint about pollution.
  - C. A selection of people from each city in the state.
  - D. Every person in the state.

- 5) A restaurant chain wanted to find out how the customer experience was in a store. Which choice **best** represents a sample?
- A. 1 out of every 37 customers
  - B. All of the people who ate at the store.
  - C. 245 customers who filled out complaint cards.
  - D. 229 customers who spent more than \$15.

- 6) A school principal wants to see which subject the 500 students in his school liked best. Which choice **best** represents a sample?
- A. The girls in the school.
  - B. All the students in the school.
  - C. The first 86 students who come into the school.
  - D. The students in 3rd grade.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_



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Answers

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



Use the scenario to identifying populations and samplings.

**Answers**

1) 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. A selection of people who live in small towns.
- B. A selection of people who live in dirty neighborhoods.
- C. Every person in the state.
- D. A selection of people from each neighborhood in the state.

2) Before a nation wide election, a polling place was trying to see who would win. Which choice **best** represents a sample?

- A. A selection of voters of different ages.
- B. All voters.
- C. A selection of male voters.
- D. A selection of votes from one part of the nation.

3) A beverage company wanted to see if people in the United States liked their new logo.

Which choice **best** represents a population?

- A. 100 male and female employees
- B. Every person in the United States.
- C. A selection of shoppers from different states.
- D. A selection of logo artists.

4) A mayor wanted to see if the people in his town thought he was doing a good job.

Which choice **best** represents a population?

- A. The mayor's family.
- B. The people who voted for the mayor.
- C. 242 voters.
- D. The residents of the town.

5) A gaming website wanted to find out which console its visitors owned.

Which choice **best** represents a population?

- A. All of the website visitors.
- B. Visitors to the 3DS section.
- C. Visitors with an 'e' in their user name.
- D. Visitors to the PS4 section.

6) A musician wanted to see what people who bought his last album thought about the songs.

Which choice **best** represents a sample?

- A. Every person who bought the album.
- B. 257 girls who bought the album.
- C. A selection of 3,106 people who bought the album.
- D. A selection of people who didn't want to buy the album.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_



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**Answers**

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