

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. _____
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- 3. _____
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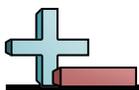
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Answers

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



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- 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.

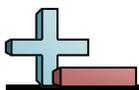
- 3) A mayor wanted to see if the people in his town thought he was doing a good job. Which choice **best** represents a sample?
- A. 124 voters.
 - B. The residents of the town.
 - C. 271 voters age 21 to 30.
 - D. Local business owners.

- 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. _____
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- 3. _____
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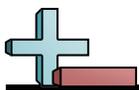
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Answers

- 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.
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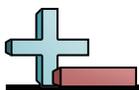
- 3) A toy store owner tracking how much kids spend each month on toys. Which choice **best** represents a sample?
- A. 264 boys and girls in the toy store.
 - B. All of the kids who buy toys.
 - C. 257 boys age 7 - 15
 - D. 211 rich kids.

- 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.

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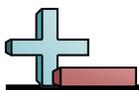
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Answers

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- 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?

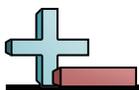
- A. The residents of 4 different neighborhoods.
- B. The residents of the town.
- C. 442 voters age 21 to 30.
- D. Local business owners.

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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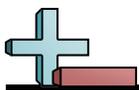
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Answers

- 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

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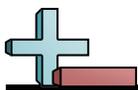
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Answers

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



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- 2) Before a nation wide election, a polling place was trying to see who would win. Which choice **best** represents a population?
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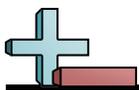
- 3) A mayor wanted to see if the people in his town thought he was doing a good job. Which choice **best** represents a population?
- A. 148 voters.
 - B. 253 voters age 21 to 30.
 - C. The mayor's family.
 - D. The residents of the town.

- 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. _____
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Answers

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



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Answers

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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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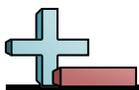
5) A beverage company wanted to see if people in the United States liked their new logo.
Which choice **best** represents a population?

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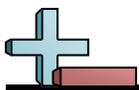
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- A. Every person from age 5 - 12 who bought the album.
 - B. Every person who bought the album.
 - C. 213 girls who bought the album.
 - D. A selection of 5,717 people who bought the album.

- 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.

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.

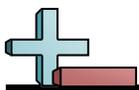
- 3) A mayor wanted to see if the people in his town thought he was doing a good job.
Which choice **best** represents a population?
- A. The residents of the town.
 - B. 1,000 unemployed voters.
 - C. 258 voters.
 - D. 399 voters age 21 to 30.

- 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. _____
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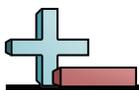
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Answers

- 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.

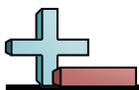
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- A. All voters.
 - B. A selection of voters from all over the nation.
 - C. A selection of votes from one part of the nation.
 - D. A selection of voters over age 50.

- 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. _____



Use the scenario to identifying populations and samplings.

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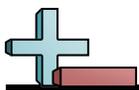
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Answers

- 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?

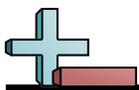
- A. All of the website visitors.
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- C. Visitors with an 'e' in their user name.
- D. Visitors to the PS4 section.

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. _____
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Answers

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