



Use the scenario to identifying populations and samplings.

Answers

- 1) A school principal wants to see which subject the {526} students in his school liked best.
Which choice **best** represents a sample?
- A. All the students in the school.
 - B. The students in 3rd grade.
 - C. The first 90 students who come into the school.
 - D. The students making a B in math.

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

- 3) 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 24.
 - C. Visitors with an 'e' in their user name.
 - D. Visitors to the 3DS section.

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

- 5) A restaurant chain wanted to find out how the customer experience was in a store.
Which choice **best** represents a population?
- A. Every 23 customer.
 - B. 255 customers who filled out complaint cards.
 - C. All of the people who ate at the store.
 - D. 243 customers who spent more than \$11.

- 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 from age 5 - 12 who bought the album.
 - B. Every person who bought the album.
 - C. 279 girls who bought the album.
 - D. A selection of 8,724 people who bought the album.

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____



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1. **C**

2. **D**

3. **C**

4. **B**

5. **C**

6. **D**

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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 residents of the town.
- B. The people who voted for the mayor.
- C. 1,000 unemployed voters.
- D. The residents of 6 different neighborhoods.

2) 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. Every person from age 5 - 12 who bought the album.
- C. A selection of 3,286 people who bought the album.
- D. 232 girls who bought the album.

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

Which choice **best** represents a population?

- A. 145 male and female employees
- B. 6,943 children age 5 - 15
- C. A selection of shoppers from different states.
- D. Every person in the United States.

4) A restaurant chain wanted to find out how the customer experience was in a store.

Which choice **best** represents a population?

- A. Every 25 customer.
- B. All of the people who ate at the store.
- C. 215 customers who spent more than \$12.
- D. 296 customers who filled out complaint cards.

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

Which choice **best** represents a sample?

- A. 257 boys age 7 - 15
- B. All of the kids who buy toys.
- C. 277 rich kids.
- D. 206 kids from age 10 to 15.

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

- 1. _____
- 2. _____
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- 4. _____
- 5. _____
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Answers

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- C. A selection of 3,286 people who bought the album.
- D. 232 girls who bought the album.

1. **D**

2. **A**

3. **D**

4. **B**

5. **D**

6. **A**

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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. Every person in the state.
- D. A selection of people who live in small towns.

2) 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. 251 rich kids.
- C. 249 kids from age 10 to 15.
- D. 291 boys age 7 - 15

3) 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 22.
- C. Visitors with an 'e' in their user name.
- D. Visitors to the PS4 section.

4) 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 voters of different ages.
- B. A selection of voters over age 50.
- C. A selection of votes from one part of the nation.
- D. All voters.

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

Which choice **best** represents a population?

- A. 1,547 children age 5 - 15
- B. A selection of shoppers from different states.
- C. A selection of logo artists.
- D. Every person in the United States.

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 residents of the town.
- C. The residents of 7 different neighborhoods.
- D. The people who voted for the mayor.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____



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Answers

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

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- D. The people who voted for the mayor.

1. **B**

2. **A**

3. **C**

4. **D**

5. **D**

6. **C**



Use the scenario to identifying populations and samplings.

Answers

1) 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. 294 girls who bought the album.
- C. A selection of 2,995 people who bought the album.
- D. Every person from age 5 - 12 who bought the album.

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

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. Visitors to the PS4 section.
- C. Visitors who are on the website for more than 5 minutes.
- 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. 233 rich kids.
- B. 246 kids from age 10 to 15.
- C. All of the kids who buy toys.
- D. 208 boys age 7 - 15

5) A school principal wants to see which subject the {682} students in his school liked best.

Which choice **best** represents a population?

- A. All the students in the school.
- B. The students in 3rd grade.
- C. The students making a B in math.
- D. The first 57 students who come into the school.

6) 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. A selection of voters of different ages.
- C. A selection of male voters.
- D. All voters.



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

1. **C**

2. **B**

3. **D**

4. **B**

5. **A**

6. **D**



Use the scenario to identifying populations and samplings.

Answers

1) A school principal wants to see which subject the {520} students in his school liked best.

Which choice **best** represents a population?

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

2) 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 over 20.
- C. All of the website visitors.
- D. Visitors to the 3DS section.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

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

Which choice **best** represents a sample?

- A. A selection of 7,501 people who bought the album.
- B. Every person who bought the album.
- C. 238 girls who bought the album.
- D. Every person from age 5 - 12 who bought the album.

4) A restaurant chain wanted to find out how the customer experience was in a store.

Which choice **best** represents a sample?

- A. 296 customers who spent more than \$14.
- B. Every 21 customer.
- C. 250 customers who filled out complaint cards.
- D. All of the people who ate at the store.

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 owns more than 3 cars.
- B. A selection of people from each neighborhood in the state.
- C. Every person in the state.
- D. A selection of people who live in small towns.

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

Which choice **best** represents a sample?

- A. 285 rich kids.
- B. All of the kids who buy toys.
- C. 289 kids from age 10 to 15.
- D. 229 boys age 7 - 15



Use the scenario to identifying populations and samplings.

Answers

1) A school principal wants to see which subject the {520} students in his school liked best.

Which choice **best** represents a population?

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1. **C**

2. **C**

3. **A**

4. **B**

5. **B**

6. **C**

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 - C. Visitors over 24.
 - D. All of the website visitors.

- 2) A school principal wants to see which subject the {775} students in his school liked best.
Which choice **best** represents a sample?
- A. The girls in the school.
 - B. The first 74 students who come into the school.
 - C. All the students in the school.
 - D. The students making a B in math.

- 3) A restaurant chain wanted to find out how the customer experience was in a store.
Which choice **best** represents a population?
- A. 275 customers who filled out complaint cards.
 - B. All of the people who ate at the store.
 - C. 281 customers who spent more than \$13.
 - D. 1 out of every 28 customers

- 4) A toy store owner tracking how much kids spend each month on toys.
Which choice **best** represents a sample?
- A. 276 boys and girls in the toy store.
 - B. All of the kids who buy toys.
 - C. 287 rich kids.
 - D. 254 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 sample?
- A. The residents of 10 different neighborhoods.
 - B. The residents of the town.
 - C. The people who voted for the mayor.
 - D. The mayor's family.

- 6) 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. 132 male and female employees
 - C. Every person in the United States.
 - D. 2,589 children age 5 - 15

- 1. _____
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- 3. _____
- 4. _____
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- 6. _____



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1. **D**

2. **B**

3. **B**

4. **A**

5. **A**

6. **C**

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Which choice **best** represents a population?

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

2) A school principal wants to see which subject the {717} students in his school liked best.

Which choice **best** represents a population?

- A. All the students in the school.
- B. The students making a B in math.
- C. The first 64 students who come into the school.
- D. The girls in the school.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

3) 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. 205 boys age 7 - 15
- C. 237 rich kids.
- D. 266 boys and girls in the toy store.

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 from age 5 - 12 who bought the album.
- B. A selection of 7,372 people who bought the album.
- C. Every person who bought the album.
- D. 268 girls who bought the album.

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

Which choice **best** represents a sample?

- A. Visitors to the PS4 section.
- B. Visitors who are on the website for more than 5 minutes.
- C. Visitors over 21.
- D. All of the website visitors.

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Which choice **best** represents a population?

- A. A selection of people from each city in the state.
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1. **C**

2. **A**

3. **A**

4. **B**

5. **B**

6. **B**



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Which choice **best** represents a sample?

A. The residents of the town.
B. 1,000 unemployed voters.
C. Local business owners.
D. 192 voters.

- 4) A restaurant chain wanted to find out how the customer experience was in a store.
Which choice **best** represents a sample?

A. Every 25 customer.
B. All of the people who ate at the store.
C. 206 customers who spent more than \$11.
D. 229 customers who filled out complaint cards.

- 5) A musician wanted to see what people who bought his last album thought about the songs.
Which choice **best** represents a population?

A. A selection of 5,468 people who bought the album.
B. Every person who bought the album.
C. 300 girls who bought the album.
D. A selection of people who didn't want to buy the album.

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

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____



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 to the PS4 section.
B. Visitors with an 'e' in their user name.
C. All of the website visitors.
D. Visitors over 25.

- 2) A toy store owner tracking how much kids spend each month on toys.
Which choice **best** represents a population?

A. 277 boys and girls in the toy store.
B. 215 boys age 7 - 15
C. All of the kids who buy toys.
D. 239 rich kids.

- 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. The residents of the town.
B. 1,000 unemployed voters.
C. Local business owners.
D. 192 voters.

- 4) A restaurant chain wanted to find out how the customer experience was in a store.
Which choice **best** represents a sample?

A. Every 25 customer.
B. All of the people who ate at the store.
C. 206 customers who spent more than \$11.
D. 229 customers who filled out complaint cards.

- 5) A musician wanted to see what people who bought his last album thought about the songs.
Which choice **best** represents a population?

A. A selection of 5,468 people who bought the album.
B. Every person who bought the album.
C. 300 girls who bought the album.
D. A selection of people who didn't want to buy the album.

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

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



Use the scenario to identifying populations and samplings.

Answers

1) 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 over age 50.
- C. A selection of male voters.
- D. A selection of voters from all over the nation.

2) 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. 297 voters.
- B. 232 voters age 21 to 30.
- C. The residents of the town.
- D. The people who voted for the mayor.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

3) 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. A selection of 3,227 people who bought the album.
- D. 219 girls who bought the album.

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. A selection of people from each neighborhood in the state.
- B. Every person who sent in a complaint about pollution.
- C. A selection of people who live in dirty neighborhoods.
- 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. Every 23 customer.
- B. All of the people who ate at the store.
- C. 200 customers who filled out complaint cards.
- D. 218 customers who spent more than \$12.

6) A school principal wants to see which subject the {616} students in his school liked best.

Which choice **best** represents a population?

- A. All the students in the school.
- B. The students making a B in math.
- C. The girls in the school.
- D. The first 89 students who come into the school.



Use the scenario to identifying populations and samplings.

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2. **C**

3. **C**

4. **A**

5. **A**

6. **A**

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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 shoppers from different states.
- B. 128 male and female employees
- C. A selection of logo artists.
- D. Every person in the United States.

2) 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. 293 voters.
- B. The residents of the town.
- C. The people who voted for the mayor.
- D. 488 voters age 21 to 30.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

3) A school principal wants to see which subject the {722} students in his school liked best.

Which choice **best** represents a sample?

- A. The students making a B in math.
- B. The students in 3rd grade.
- C. 1 classroom for each grade.
- D. All the students in the school.

4) A restaurant chain wanted to find out how the customer experience was in a store.

Which choice **best** represents a population?

- A. 295 customers who spent more than \$13.
- B. All of the people who ate at the store.
- C. 251 customers who filled out complaint cards.
- D. Every 24 customer.

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 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 city in the state.
- B. A selection of people who live in small towns.
- C. Every person who owns more than 3 cars.
- D. Every person in the state.



Use the scenario to identifying populations and samplings.

Answers

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Which choice **best** represents a population?

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- A. 293 voters.
- B. The residents of the town.
- C. The people who voted for the mayor.
- D. 488 voters age 21 to 30.

1. **D**

2. **A**

3. **C**

4. **B**

5. **A**

6. **D**

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- D. Every person in the state.