



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.

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- 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.



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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.

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- 6. \_\_\_\_\_



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- 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

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- 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.



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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.

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- 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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- 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.

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- 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**

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

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- A. Visitors to the 3DS section.
  - B. Visitors who are on the website for more than 5 minutes.
  - 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.

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- 5. \_\_\_\_\_
- 6. \_\_\_\_\_

- 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



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- 2. **B**
- 3. **B**
- 4. **A**
- 5. **A**
- 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. 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.

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- 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.

- 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. Every person in the state.  
C. Every person who sent in a complaint about pollution.  
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1. **C**  
2. **A**  
3. **A**  
4. **B**  
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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.

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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 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.



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

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**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.

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- 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.

**Answers**

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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.

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- 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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