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Name:

| ^{#1} Choose the best answer | |
|---|----------------|
| Caden asked his school's basketball team to rate the school cafeteria. Is this a biased sample of the school's population? | |
| O Yes O No | Show your work |
| ^{#2} Choose the best answer | |
| Marine biologists measure wildlife activity in hundreds of randomly chosen sections in the Pacific Ocean. Can they say their information is representative of the entire Pacific Ocean? | |
| O No O Yes | Show your work |
| ^{#3} Choose the best answer | |
| A teacher randomly assigns a number to each student, and chooses every tenth number to do a quiz. Is this a random sample? | |
| O No O Yes | Show your work |
| Get more worksheets at http://www.mathg Play online at http://www.mathgame | - |

| :: | ldentify Representati | ve, Random, and Biased Sa | amples Name: |
|----|---|--|----------------|
| #4 | Choose th | e best answer | |
| | The government city in the cou important issu representative o | t polls the largest untry about an e. Is this sample of the population county? | |
| | O Yes | O No | Show your work |
| #5 | Choose th | e best answer | |
| | goes into a vide this sample re | s everyone who eo game store. Is presentative of t the mall? | |
| | O Yes | Ο Νο | Show your work |
| #6 | Choose th | e best answer | |
| | lake, and biolo them random health of water | ponds around a gists study 15 of ly to check the around the lake. sed sample? | |
| | O Yes | O No | Show your work |

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Name:

| ^{#7} Cho | pose the best an | Iswer | |
|-------------------------------|---|-----------------------------|----------------|
| players arena. H use th | asked all the ho if they liked the lalf of the peop ne arena are ho s this a biased | ne new ple that pckey | |
| O Yes | (| O No | Show your work |
| ^{#8} Cho | pose the best an | iswer | |
| staff at cafeteria. | asked the stud her school to r Is this a biased school's popul | ate the d sample | |
| O Yes | (| O No | Show your work |
| ^{#9} Cho | oose the best an | iswer | |
| and he gr closed. | as 69 marbles in abs out 50 with Is this an exam andom sample | n his eyes Iple of a | |
| O Yes | (| O No | Show your work |

Name:

| #10 | Choose th | ne best answer | | | |
|-----|---|---|----------------------|-----------|-------------|
| | number to ea chooses every do a quiz. Is | domly assigns a ch student, and tenth number to this a random nple? | | | |
| | O Yes | O No | Show | your work | |
| #11 | Choose th | ne best answer | | | |
| | on equal sized pie pieces in a bowl, ar 30 seconds. Then, reached in and g | ne names of 61 friends aces of paper, put the nd shook the bowl for without looking, she grabbed 31. Is this a n sample? | | | |
| | O Yes | O No | Show | your work | |
| #12 | Choose th | ne best answer | | | |
| | find that it ea location. Is representative | dy one bear and ats at a certain s this sample of the entire bear llation? | | | |
| | O Yes | O No | Show | your work | |
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☑ | Identify Representative, Random, and Biased Samples

| Question | Answer |
|----------|----------|
| #1 | choice 1 |
| #2 | choice 2 |
| #3 | choice 2 |
| #4 | choice 2 |
| #5 | choice 2 |
| #6 | choice 2 |
| #7 | choice 1 |
| #8 | choice 2 |
| #9 | choice 1 |
| #10 | choice 1 |
| #11 | choice 1 |
| #12 | choice 2 |

