ZiloAcademy

✨ Grade 8 Maths — Data Collection ✨

Name: Demo **Date:** 26/11/2026

1. What sampling method is each scenario (simple random / systematic / stratified / convenience)? (Separate your three answers with commas.) 1) A researcher surveys every 3rd customer who enters a supermarket 2) A researcher surveys whoever is standing nearest to them at a football match 3) A researcher only surveys fans wearing a particular team's jersey at a stadium entrance

2. A researcher only surveys people who happen to answer their phone call. What sampling method is this? (simple random / systematic / stratified / convenience)

3. A researcher surveys people as they happen to walk past in a shopping centre. What sampling method is this? (simple random / systematic / stratified / convenience)

4. A researcher only surveys people at a gym who happen to be using the treadmills. What sampling method is this? (simple random / systematic / stratified / convenience)

5. A researcher divides a university into faculties and randomly selects students from each faculty. What sampling method is this? (simple random / systematic / stratified / convenience)

6. What sampling method is each scenario (simple random / systematic / stratified / convenience)? (Separate your three answers with commas.) 1) A researcher surveys every 10th person on a class roll 2) A researcher splits the school into year groups and randomly selects students from each year group 3) A researcher only surveys shoppers who happen to be near the entrance when they arrive

7. What sampling method is each scenario (simple random / systematic / stratified / convenience)? (Separate your three answers with commas.) 1) A researcher only surveys their own friends about a school-wide issue 2) A researcher surveys every 10th person on a class roll 3) A researcher only surveys people at a gym who happen to be using the treadmills

8. What sampling method is each scenario (simple random / systematic / stratified / convenience)? (Separate your three answers with commas.) 1) A researcher divides a factory into departments and randomly selects workers from each department 2) A researcher surveys every 7th caller to a radio station 3) A researcher surveys people as they happen to walk past in a shopping centre

9. A researcher numbers every student and uses a random number generator to choose 20 of them. What sampling method is this? (simple random / systematic / stratified / convenience)

10. What sampling method is each scenario (simple random / systematic / stratified / convenience)? (Separate your three answers with commas.) 1) A researcher inspects every 8th item coming off a packaging line 2) A researcher divides a university into faculties and randomly selects students from each faculty 3) A researcher splits a city into suburbs and randomly selects households from each suburb