



Exit Ticket X3 - Sampling

Name:

Date:

Diagnostic Questions

A teacher asks a question to the first 5 people to enter the classroom.

What kind of sampling is this?

A systematic

B random

C stratified

D satisfactory

Correct Answer: A B C D

Explanation:

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Diagnostic Questions

A committee is to be set up to focus on the continuation of Welsh language teaching in schools.

A stratified sample of 7 members is to be taken from the parties below.

Which calculation gives how many Plaid Cymru representatives there will be on the committee?

| PARTY | CONSTITUENCY SEATS |
|--------------------|--------------------|
| Welsh Labour | 27 |
| Plaid Cymru | 6 |
| Welsh Conservative | 6 |
| UKIP Wales | 0 |
| Welsh Lib Dem | 1 |
| Independents | 0 |
| Wales Green Party | 0 |

A $\frac{6}{7}$

B 6×7

C $\frac{6}{7} \times 40$

D $\frac{6}{40} \times 7$

Correct Answer: A B C D

Explanation:

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Diagnostic Questions

258 students each study one of three languages.

The table shows information about these students.

A sample of 50 people is taken, stratified by language and gender.

Which is the correct calculation to work out the number of female students studying French in the sample?

| | Language Studied | | |
|--------|------------------|--------|---------|
| | German | French | Spanish |
| Male | 45 | 52 | 26 |
| Female | 25 | 48 | 62 |

A $\frac{48}{50} \times 258$

B $\frac{48}{258} \%$

C $\frac{48}{258} \times 50$

D $\frac{50}{258} \times 48$

Correct Answer: A B C D

Explanation:

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