Math Practice - Grade 7

M9 Statistics: sampling and comparing populations - Estimate a population value from a sample

M9 7.SP.1, 7.SP.2, 7.SP.3, 7.SP.4

Name: _____ Date: _____

Use the sample to estimate the population value. Round to the nearest whole number.

Example: A survey asked 20 people. 19 prefer tea. The town has 340 people. About how many people in the town prefer tea?

How: For a population estimate, scale the sample share up to the population size. For a mean, add the values and divide by how many there are. Round the answer to the nearest whole number.

Estimate 323

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1 **The lengths of 12 words are 2, 4, 1, 1, 4, 1, 5, 5, 3, 3, 1, 2. Estimate the mean word length. Round to the nearest whole number.**

Estimate ☐

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2 **The lengths of 12 words are 4, 6, 8, 4, 3, 8, 5, 8, 8, 5, 5, 5. Estimate the mean word length. Round to the nearest whole number.**

Estimate ☐

Math Practice - Grade 7

M9 Statistics: sampling and comparing populations - Estimate a population value from a sample

M9 7.SP.1, 7.SP.2, 7.SP.3, 7.SP.4

Name: _____ Date: _____

Use the sample to estimate the population value. Round to the nearest whole number.

Example: A survey asked 20 people. 12 prefer tea. The town has 360 people. About how many people in the town prefer tea?

How: For a population estimate, scale the sample share up to the population size. For a mean, add the values and divide by how many there are. Round the answer to the nearest whole number.

Estimate 216

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1 **The lengths of 12 words are 4, 4, 3, 2, 5, 5, 7, 6, 3, 2, 3, 3. Estimate the mean word length. Round to the nearest whole number.**

Estimate ☐

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2 **The lengths of 12 words are 4, 8, 8, 5, 6, 3, 7, 6, 3, 6, 6, 4. Estimate the mean word length. Round to the nearest whole number.**

Estimate ☐

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M9 7.SP.1, 7.SP.2, 7.SP.3, 7.SP.4

Name: _____ Date: _____

Use the sample to estimate the population value. Round to the nearest whole number.

Example: A sample of 50 books was checked. 45 were fiction. The library has 850 books. About how many books in the library are fiction?

How: For a population estimate, scale the sample share up to the population size. For a mean, add the values and divide by how many there are. Round the answer to the nearest whole number.

Estimate 765

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1 **The lengths of 12 words are 6, 4, 6, 7, 4, 7, 8, 8, 6, 7, 6, 4. Estimate the mean word length. Round to the nearest whole number.**

Estimate ☐

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2 **The lengths of 12 words are 9, 4, 4, 6, 8, 9, 9, 7, 5, 5, 4, 8. Estimate the mean word length. Round to the nearest whole number.**

Estimate ☐