

Grade 5 Unpacked Math Standards – Statistics & Probability

5.S.1.1. Students are able to gather, graph, and interpret data.

Webb Level: 3

Bloom: Application

Verbs Defined:

Gather- collect

Graph- to represent data in a picture form

Interpret- understand/make meaning of

Key Terms Defined:

Data- facts and figures from which conclusions can be drawn; the information that a graph shows

Teacher Speak:

Students are able to gather (collect) data for graphs.

Students are able to graph (represent data in a picture form) data from graphs.

Students are able to interpret (understand/make meaning of) data from graphs.

Student Speak:

I can collect (gather) data (the information that a graph shows) to make a graph.

I can graph (represent data in a picture form) collected data (the information that a graph shows) on a graph.

I can make meaning out of (interpret) data (the information that a graph shows) in a graph.

5.S.1.2. Students are able to calculate and explain mean for a whole number data set.

Webb Level: 3

Bloom: Application

Verbs Defined:

Calculate- figure by a mathematical process

Explain- give reasons/to make understandable

Key Terms Defined:

Mean- the average of a set of numbers

Whole number data set- a set of whole numbers (0, 1, 2, 3, 4, 5...) that gives information

Teacher Speak:

Students can calculate (figure by a mathematical process) the mean of a given set of numbers.

Students are able to explain (give reasons/make understandable) the mean of a set of numbers.

Student Speak:

I can figure (calculate) the mean (the average) of a given set of whole numbers (0, 1, 2, 3, 4, 5...).

I can tell how to find (explain) the mean (the average) of a given set of whole numbers (0, 1, 2, 3, 4, 5...).

5.S.2.1. Students are able to classify probability of simple events as certain, likely, unlikely, or impossible.

Webb Level: 1

Bloom: Application

Verbs Defined:

Classify- state/say

Key Terms Defined:

Probability- the chance that something will happen

Simple events- the occurrence of one event

Certain – 100% chance it will happen

Likely – a good chance than an event will happen, but not for sure

Unlikely – a good chance that an event won’t happen, but not for sure

Impossible – a 0% chance that an event will occur.

Teacher Speak:

Students are able to classify (state) whether the probability of a simple event as certain, likely, unlikely or impossible.

Student Speak:

I can tell whether the chance of something happening (probability) is certain (100%), likely(a good chance), unlikely(a good chance that an event won’t happen) or impossible (0% chance).

5.S.2.2. Students are able to use models to display possible outcomes.

Webb Level: 3

Bloom:

Verbs Defined:

Use- use

Display- show

Key Terms Defined:

Model- diagram, tables and lists

Teacher Speak:

Using data, students are able to use a model to display (show) possible outcomes.

Student Speak:

Using data, I can make a diagram, table or list to show information.

I can predict the possible outcomes from my model.

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