

## 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.

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### 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...).

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**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).

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**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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