



TOOL // Gr.1/2 Data Management Summative

What is it used for?

After a teaching/learning period to develop the appropriate skills and knowledge the students complete the task independently, their demonstration is scored with the rubric and used for summative assessment data for reporting.

How do you use it?

Each student is given a small box or baggie of Smarties or Skittles and the recording sheet. The teacher goes over the task reading the instructions ensuring all students understand. Students complete the task independently with only teacher prompts re; pacing or focus. The teacher uses the rubric to assess student performance and give feedback. The assessment data is used for reporting purposes.

How do you adapt for other subjects or topics?

It can easily be adapted to use in other subjects by changing the data set or what is being graphed. For example you could graph spelling words, nouns, verbs etc., for Language or graph provinces/countries for Social Studies. I choose to use smarties as its engaging and the students enjoy it from beginning to end.

Data Management - Smarties Assignment Grade 1

Name: _____

Date: _____

Let's Tally All The Colours of Your Smarties

Red _____ Yellow _____ Blue _____ Green _____

Brown _____ Pink _____ Orange _____ Purple _____

Using the data above, make a bar graph. Make sure you include the title at the top and the labels at the bottom.

Write two questions you could ask someone about your data.

1. _____

2. _____

Answer the two questions yourself.

1. _____

2. _____

Data Management - Smarties Assignment Grade 2

Name: _____

Date: _____

Let's Tally All The Colours of Your Smarties

Red _____ Yellow _____ Blue _____ Green _____

Brown _____ Pink _____ Orange _____ Purple _____

Using the data above, make a bar graph. Make sure you include the following: 1. Title ____ 2. Scale ____ 3. Label ____ 4. Data ____

Write two questions you could ask someone about your data.

1. _____

2. _____

Answer the two questions yourself.

1. _____

2. _____

Data Management Rubric - Smarties Assignment Grade 1

Overall Expectations:

1. Collect and organize data and display data using concrete graph
2. Read and describe primary data presented in concrete graph

Learning Goal: To sort and organize Smarties based on colour.

Success Criteria:

1. I can use tallies.
2. I can create a title.
3. I can use labels.
4. I can ask and answer questions about my data.
1. I can make a graph that others can read and understand.

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding: title and labels, recording data (tallies, numbers, bars)	Title is inappropriate or missing, few labels records data with several major errors	One word title and some labels records data with some minor errors	Appropriate title and most labels records data with few minor errors	Highly appropriate title and all labels Accurately records all data
Thinking: Able to collect and organize data Writing and answering questions	Collects 1 or 2 pieces of data Organization inconsistent or inappropriate Poses 1 very simple but somewhat appropriate question Responds in one word	Collects some data organization is somewhat appropriate Poses one or two simplistic questions Response is simplistic	Generally appropriately collects and organizes data Poses two appropriate questions and responses are correct	Effectively collects and organizes data Poses two very good questions and responses are detailed and correct
Communication: communicates information Incorporates math terminology, symbols	Graph unclearly and incompletely communicates information Questions and responses use simplistic vocabulary	Graph somewhat clearly and completely communicates information Questions and responses incorporate one or two basic math words	Graph generally clearly and completely communicates information Questions and responses incorporate math words	Graph clearly and completely communicates information Questions and responses incorporate a variety of math words
Application: Applies skills taught in new situation	Applies skills with teacher support with limited accuracy	Applies skills with few teacher reminders with some degree of accuracy	Applies skills independently with a good degree of accuracy	Applies skills independently with a high degree of accuracy

Data Management Rubric - Smarties Assignment Grade 2

Overall Expectations:

1. Collect and organize data and display data using concrete graph
2. Read and describe primary data presented in concrete graph

Learning Goal: To sort and organize Smarties based on colour.

Success Criteria:

1. I can use tallies.
2. I can create a title for my graph.
3. I can create labels for my graph.
4. I can use a numbers (scale) on my graph.
5. I can ask and answer questions about my data.
6. I can make a graph that others can read and understand.

Categories	Level1	Level 2	Level 3	Level 4
Knowledge and Understanding: Able to give title and label, recording data (tallies, scale, bars, numbers)	Title is inappropriate or missing few labels records data with several major errors	One word title and some labels records data with some minor errors	Appropriate title and most labels records data with few minor errors	Highly appropriate title and all labels Accurately records all data
Thinking: Able to collect and organize data Writing and answering questions	Collects 1 or 2 pieces of data Organization inconsistent or inappropriate Poses 1 very simple but somewhat appropriate question Responds in one word	Collects some data organization is somewhat appropriate Poses one or two simplistic questions Response is simplistic	Generally appropriately collects and organizes data Poses two appropriate questions and responses are correct	Effectively collects and organizes data Poses two very good questions and responses are detailed and correct
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