



EPISODE 309

INTO THE WOODS

Watch as agents Orla and Oswald try to save Omar from a serious case of Clownotosis. They must trek into the Odd Woods and find the objects to make an antidote to cure him.

CASE SUMMARY

CASE: Find the antidote to cure Agent Omar's serious case of Clownotosis.

OUTCOME: Agent Oswald and Agent Opal went on a mission into the Odd Woods to find the three objects they needed to create the antidote. In order to find the objects they had to measure the temperature of different pumpkins using a thermometer, measure the weight of different rocks using a scale, and measure the length of bamboo sticks using a ruler. Once they collected all the items, they created the antidote to cure Clown Omar.

COLD CASE EXTENSION ACTIVITY

Something VERY ODD has happened! Everyone in town has caught a case of Clownotosis. You must find the antidote and cure everyone.

To complete the mission you will need the following:

1. 3 objects of different length and weight
2. Ruler
3. Scale
4. Thermometer



Once you've gathered your materials, complete the following steps:

1. Measure the length of each object using a ruler. Rank them in order from shortest to longest.
2. Weigh each item on a scale. Rank the objects in order from lightest to heaviest.
3. Since you can't take the temperature of your objects, try taking your own temperature and the temperature of the other people in your house, then rank the temperatures from lowest to highest!
4. Great job! You have found all the objects need for the antidote. Now, there is one final step to cure the town from Clownotosis: Have the person with the lowest temperature hold the shortest object in one hand and the heaviest object in the other hand. Now, get them to stand on one leg for a whole minute. If they succeed, the town is cured!

SYNOPSIS FOR TEACHERS/PARENTS:

In this episode, the Agents had to find special objects to create an antidote that would help cure Agent Omar's case of Clownotosis. They had to measure the properties of each object using different tools: a thermometer to measure temperature; a scale to measure weight; and a ruler to measure length. They were able to find all the objects and save Agent Omar.

This episode teaches children about how to read a thermometer (in Celsius), read a scale (in kilograms) and read a ruler (in centimetres). In addition, this episode introduces children to different types of data including numerical and categorical.

CURRICULUM EXPECTATIONS:

Grade 2 Math: Measurement

- › Estimate and measure length, height, and distance, using standard units (i.e., centimetre, metre) and non-standard units.
- › Select and justify the choice of a standard unit (i.e., centimetre or metre) or a non-standard unit to measure length.
- › Use a standard thermometer to determine whether temperature is rising or falling.



Grade 2 Math: Data Management and Probability

- › Demonstrate an ability to organize objects into categories, by sorting and classifying objects using two attributes simultaneously.
- › Read primary data presented in concrete graphs, pictographs, line plots, simple bar graphs, and other graphic organizers, and describe the data using mathematical language.
- › Distinguish between numbers that represent data values and numbers that represent the frequency of an event.
- › Demonstrate an understanding of data displayed in a graph by comparing different parts of the data and by making statements about the data as a whole

Grade 3 Math: Measurement

- › Estimate, measure, and record length, height, and distance, using standard units (i.e., centimetre, metre, kilometre).
- › Estimate, read (i.e., using a thermometer), and record positive temperatures to the nearest degree Celsius.
- › Identify benchmarks for freezing, cold, cool, warm, hot, and boiling temperatures as they relate to water and for cold, cool, warm, and hot temperatures as they relate to air.
- › Choose benchmarks for a kilogram and a litre to help them perform measurement tasks.
- › Estimate, measure, and record the mass of objects, using the standard unit of the kilogram or parts of the kilogram.
- › Compare standard units of length and select and justify the most appropriate standard unit to measure length.
- › Compare and order objects on the basis of linear measurements in centimetres and/or metres in problem-solving contexts.
- › Compare and order a collection of objects, using standard units of mass (ie., kilogram) and/or capacity (i.e., litre).

Grade 3 Math: Data Management and Probability

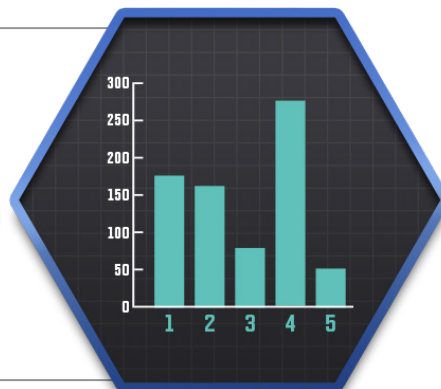
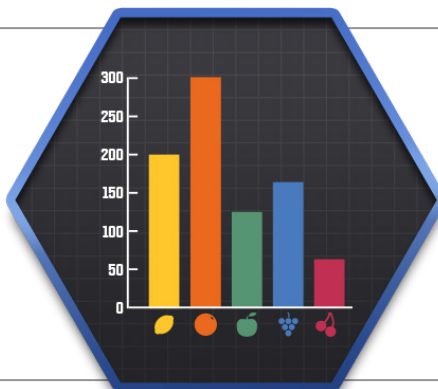
- › Demonstrate an ability to organize objects into categories, by sorting and classifying objects using two or more attribute simultaneously.
- › Read primary data presented in charts, tables, and graphs, then describe the data using comparative language, and describe the shape of the data.
- › Interpret and draw conclusions from data presented in charts, tables and graphs.



THIS OR THAT!

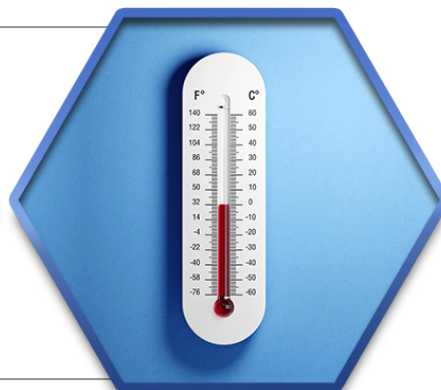
QUESTION #1

Which of the following is categorical data?



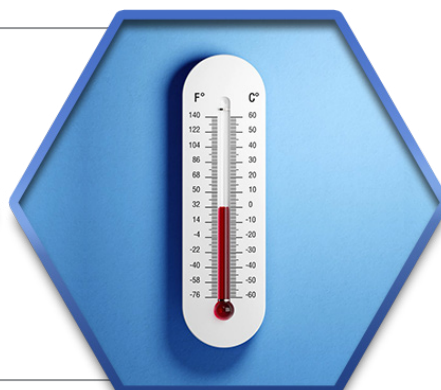
QUESTION #2

Which of the following is used to measure temperature?



QUESTION #3

Which thermometer is at 40° Celsius?



1. Image 1. 2. Image 2 (Thermometer). 3. Image 1.



SORTING GAME

Numerical data presents information using numbers. Categorical data presents information using categories. Sort these items into the right category.

1

2

3

4

5

6

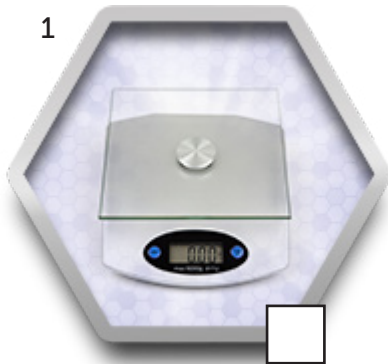
1. Numerical data. 2. Numerical data. 3. Categorical data. 4. Numerical data. 5. Categorical data. 6. Categorical data.



CATEGORY SELECTION

Select all the items Agent Oswald and Agent Opal used for measurement during their mission in the Odd Woods.

1

☐

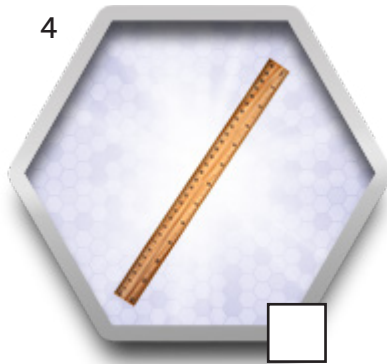
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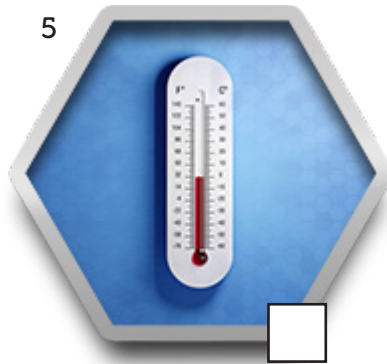
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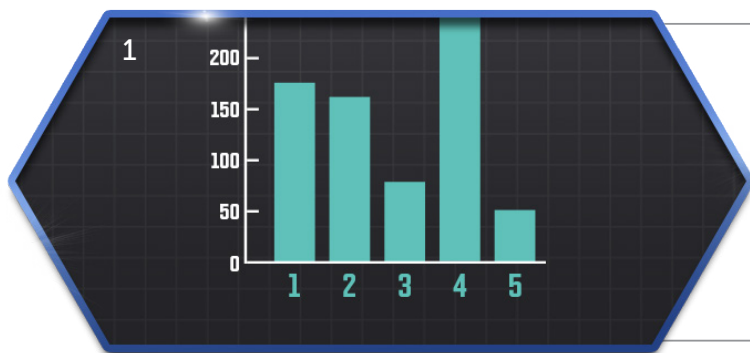
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1. Scale (Correct). 2. Measuring Spoons (Incorrect). 3. Beaker (Incorrect). 4. Ruler (Correct). 5. Thermometer (Correct).



WORD JUMBLE

Unscramble the letters to find the missing word!



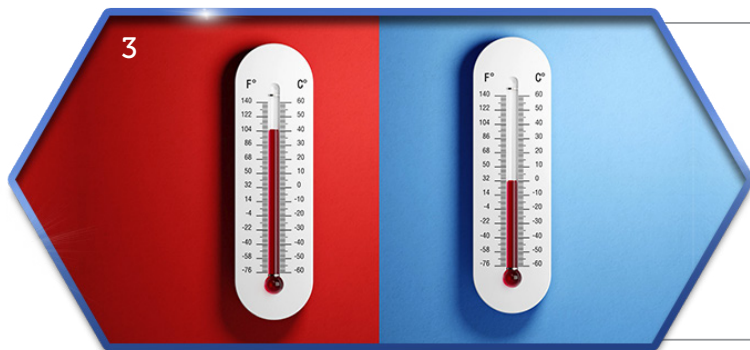
Numerical _____ is information presented in numbers.

ATDA



Categorical data uses _____ such as smell, sight, hearing, touch or taste to group information into categories.

ESNSES



_____ is a way of measuring temperature.

SELCSUI

1. DATA. Fact: Numerical data uses numbers to present information. 2. SENSES. Fact: Categorical data uses categories rather than numbers to present information. 3. CELSIUS. Fact: Many thermometers measure temperature using Celsius.



PUZZLE

Cut along the solid white lines to make a puzzle.

