Mystery Manor

Demonstration of Learning

Grade Five, Room 110

Mrs. Burton

March 15, 2019

Name \_\_\_\_\_\_\_\_\_\_\_

Welcome to “Mystery Manor!”

PROCEDURE:

1. Work through all the stations – Math (perimeter & area), Math (volume), Science (force), Writing (editing), Reading (main ideas & supporting details), Drama.
2. Record your answers in #3 below (when it applies). For Reading, record your answers on the chart. For Drama, just have fun – no recording.
3. ANSWERS: Eg) Perimeter – 14 cm (milk)

Perimeter - \_\_\_\_\_\_\_\_\_\_\_ (drink)
Area - \_\_\_\_\_\_\_\_\_\_\_ (snack)

Volume - \_\_\_\_\_\_\_\_\_\_\_ (treat)

Science (force) - \_\_\_\_\_\_\_\_\_\_\_\_ (extra treat)

Writing (editing) - \_\_\_\_\_\_\_\_\_ (surprise location)

1. Meet us in the surprise location for the treat!

# PERIMETER

Find the shape below with *PERIMETER 28 units.*

(Circle the correct answer.)

Is it: A – \_\_\_\_\_\_\_\_\_\_\_ (juice)

B – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (pop)

C – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Kool Aid)

D - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (lemonade)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | A |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | B |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | D |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# AREA

Find the rectangle with *AREA 18 units2.*

Is it:

E – \_\_\_\_\_\_\_\_\_\_\_\_\_\_(donuts)

F – \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (brownies)

G – \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (chocolate chip cookies)

H – \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Oreo cookies)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | E |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | H |  |
|  |  |  |  | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | G |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

VOLUME

Find the container with *VOLUME 45 cm3.*

You may need to use linear measurement, liquid measurement, or displacement.

Is it:

I – \_\_\_\_\_\_\_\_ mL (chocolates)

J – \_\_\_\_\_\_\_\_ mL (candy)

K – \_\_\_\_\_\_\_\_ mL (pretzels)

How did you measure I? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How did you measure J? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How did you measure K? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SCIENCE (force)

Measuring the Force of Gravity

Find the object which requires 3.2 Newtons of force to lift it.

Is it:
L – \_\_\_\_\_\_\_\_\_\_\_ N (gum)

M – \_\_\_\_\_\_\_\_\_ N (rockets)

N – \_\_\_\_\_\_\_\_\_ N (sour soothers)

WRITING (editing)

1. Read the article from OWL Connected about ancient artifacts found in Norwegian ice.
2. Find the 7 spelling mistakes.

The seven words spelled wrong are:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write the seven extra letters (one from each misspelled word) on the lines below:

 \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

1. Unscramble the letters to spell a location in our school:

 \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

DRAMA – IMPROVISATION

“Scenes from a hat”

1. Choose a scene from the container.
2. Mime it out in front of your family.
3. Can they guess what you were showing?
4. Don’t forget to take turns!

Do your family members get Academy Awards?

READING – Main Ideas and Supporting Details

1. Read *TRAPPED IN BIG BEAVER (*from Literacy in Action, 4A)
2. Fill in the blanks in the main ideas.
3. Find 2-3 supporting details for each main idea – write them in jot notes.

James Amell had quite an adventure!

|  |  |
| --- | --- |
| MAIN IDEAS | SUPPORTING DETAILS |
| James’s dad caught his \_\_\_\_\_\_\_\_ under a \_\_\_\_\_\_\_\_\_\_\_\_. |  |
| James had to get \_\_\_\_\_\_\_\_\_\_. |  |
| James was recognized as a \_\_\_\_\_\_\_\_\_\_\_ on the news and on \_\_\_\_\_\_. |  |

Mystery Manor

Parent Guide

Demonstration of Learning

Grade Five, Room 110

Mrs. Burton

March 15, 2019

PERIMETER AND AREA

1. How does your child approach this problem?
2. Does s/he begin to measure the sides of the shapes in order to add them?
3. Does s/he seem confused? Does s/he ask for help?
4. Does your child recognize that all straight-sided shapes have a perimeter, or only rectangles?
5. Does your child remember the formula for area (A = L X W), or his s/he counting squares?
6. Did your child add units to their answers (Perimeter - units, Area - units2)?

VOLUME

1. Did your child measure using all three methods?
2. Was your child able to figure out when to use the different methods?
3. Was your child able to find the correct volume, including reading it off the side of the container?
4. Could your child convert the mL to cm3?
5. Did your child show they knew the process of figuring out volume by displacement?
6. Was your child able to teach you the process of using displacement to find volume?

SCIENCE (force)

1. Was your child familiar with the use of the spring scale?
2. Did he/she understand the difference between measuring the *force* in *Newtons* and measuring the *mass* in *grams*?
3. Was your child able to draw conclusions about what he/she was observing?

WRITING – editing

1. Does your child understand the process of editing?
2. Is s/he able to find mistakes or potential mistakes?
3. Does s/he know how to fix the errors so they could be corrected on a good copy?

READING – Main Ideas & Supporting Details

1. Did your child approach this activity with confidence?
2. Was your child able to identify the main ideas of the story?
3. Was your child able to identify 2-3 important supporting details for each main idea?
4. Did your child participate in this reading with a sense of enjoyment?
5. Did your child have a strong sense of what the story was about? (Did they get the overall gist; could they relate to some of the details; and were they able to synthesize any of the info, infer extraneous info, or discuss their analysis of the story, making connections to other stories or their own lives?)

DRAMA – IMPROV

1. Did your child show some confidence in acting out a scene?
2. Were you able to figure out what he/she was showing you?
3. How did you feel about having the freedom to express yourself through mime? Do you have the confidence to act out with your child?

Demonstration

Of Learning

Welcome to Room 110

* Please take a “Celebration of Learning” booklet
* Parents: Please take a “Celebration of Learning Parent Guide”
* Please visit the stations in any order and for any length of time you wish.
* You may be at a station at the same time as another family.
* Join us in the mystery location for refreshments at the end and fill out an evaluation.
* Have fun!

Demonstration of Learning - Burton

“Mystery Manor” Evaluation

Please fill out the following with your child:

(Please elaborate when you can.)

1. Did you enjoy the format of Mystery Manor?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) Parents: Did you feel that you got to see your child function with grade five material?
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) Students: Did you feel that you got to “show off” a little of what you learned?
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What, if anything, would you change for next time?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Thank-you from Mrs. Burton!

Math

(Perimeter, Area & Volume)

Science

(Measuring Force)

Reading

(Main Ideas &

Supporting Details)

Writing

(Editing)

Drama (Improv)

Booklets

Parent Guides

Booklet drop-off

Evaluations

You have completed

Mystery Manor!!

Did you solve all the mysteries???

1. Perimeter – C – Kool Aid
2. Area – H – Oreo Cookies
3. Volume – J – Pretzels
4. Force – L – Sour Soothers
5. Writing – Library (obviously!)

Congratulations!

You would make a great detective!