Hats Off For Dr. Seuss

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The 500 Hats of Bartholomew Cubbins

Number of times B.C. has taken off his hat	Number of hats
0	1
1	2
2	3

Rule: add one

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What if each hat had four feathers each?
How many would the total reach?

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Number of HATS	Number of FEATHERS
1	4
2	8
3	12

Rule: Multiply by 4

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Story Problems

As Bartholomew climbed the stairs to the tower he took off a total of 16 hats. There were 8 steps. He took an equal number off his head on each step. How many hats did he take off on each step?
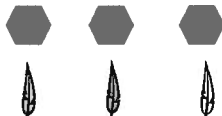
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Combinations

At the beginning of the story all of the hats looked the *same.*

For Dr. Seuss these boring hats were too *tame.*

As Bart climbed up the stairs the hats became *strange.*

Their feathers and jewels started to *change.*

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Each new hat could have one feather and one jewel. The feather could be yellow or green or orange. The jewel could be red or blue or purple. How many different hats could there be?

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What different combinations can you make using each jewel?

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	Red jewel R	Blue Jewel B	Purple jewel P
Yellow feather Y			
Orange feather O			
Green feather G			

Strategy: Make a Table

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At the end of the story Bartholomew had 500 hats. If everyone in your class had 500 hats how many hats would you have altogether?

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Sneetches

Sylvester McMonkey McBean has created a fantastic machine. He will set the controls and only he know how many stars will appear on each Sneetch as he/she goes through the machine.

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Let's observe what goes in and comes out. Can you figure out how McBean has set his machine? What does his machine do to the number of stars on each Sneetch belly?

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This table shows how many stars the Sneetches went in with and how many they came out with.
What is McBean's rule?

In	Out
2	4
3	6
4	8

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One Fish Two Fish Red Fish Blue Fish
Seussical Combinations from Mathwire.com

Students are asked to create as many combinations of Seussical Fish toys as possible

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The Cat In the Hat

In the 1950's Dr. Seuss' publisher generated a list of 400 common words and asked the author to refine this list to 250 and write a book using only those words. The result was The Cat In the Hat which uses 236 different words.

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Word Frequency in
The Cat In the Hat

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Word Frequency

Green Eggs and Ham

For this book, Dr. Seuss used on 50 different words.
Which do you think is the most frequently used?
Let's find out...

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Word Frequency

Green Eggs and Ham

Have students collect data on the number of times a word appears on a given page(s).

Compile the class data and analyze it using a graph.

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Horton Hatches the Egg

I meant what I said
And I said what I meant...
An elephant's faithful
One hundred per cent!

What does it mean to do something one hundred percent?

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Horton Hatches the Egg

If Maysie's egg needed 100 days of tending before it was ready to hatch and Horton sat on the eggs 100% of the time that means he must have sat on the egg for all 100 days.

What if Horton sat on the egg only 87 days. Express how faithful he was using a fraction, a decimal and a percent. Color in a 10x10 grid to represent your number.

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Happy Birthday to You!

"I wish we could do what they do in Katroo.
They sure know how to say "Happy Birthday to You!"

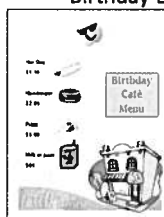M S I C MathScience Innovation Center

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Birthday Lunch

Birthday Luncheon: Hotdog Problems

Hotdogs come in packages of 8.
Buns come in packages of 10.
How many of each could I buy so that I had no hotdogs or buns left over.
Explain how you know.
Are there other correct answers to this question?

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Birthday Lunch Menu

How much would a pizza and milk cost?

I have $4.00. Is that enough?

How much change would I get back?

What is the least expensive thing on the menu?

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Birthday Pet Reservation

- How can we find out which pet is the tallest?
- Pick a measurement method to find the answer:
  - Order them from shortest to tallest
  - Use a non-standard unit
  - Measure them with inches or centimeters

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Katroo Shipping Costs

- Use the Katroo Postal Express shipping costs to figure out how much it will cost to ship your pet.
- $2.75 per lb.
- Heated crate: $12.15
- Air-conditioned crate: $13.10
- Food and water fee: $7.83

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The Foot Book
Lesson Plan from Scholastic.com

After reading the story, have pairs of students cut out "clown feet" about 11 inches long and "red feet" about three inches long. Then have students use their "feet" to measure objects around the room.

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Ten Apples Up on Top
Resources from Mathwire.com

- Activities about grouping by ten
- Counting activities with apple cut-outs
- Making 10 (part-part-whole)
- Counting book

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