

DUE: Nov. 11, 2015

Name: _____

Whole Numbers Unit Project

MR. WATT HAD A FARM...E-I-E-I-O
and Ms. Belliveau NEVER visited

Parent
Signature: _____

Mr. Watt has the following animals on his farm:

- 43 cows - 28 pigs - 9 chickens - 32 rabbits

Each day a cow needs:

- 6 kg of grass - 8 kg of hay - 11 kg of corn
- 11 kg of salt - 140 L of water

Each day a pig needs:

- 2 kg of grass - 6 kg of hay - 8 kg of corn
- 7 kg of salt - 30 L of water

Each day a chicken needs:

- 1 kg of grass - 2 kg of hay - 10 kg of corn
- 5 kg of salt - 20 L of water

Each day a rabbit needs:

- 4 kg of grass - 4 kg of hay - 5 kg of corn
- 3 kg of salt - 30 L of water

Answer the following questions. Show your answers in numbers and words.
BE NEAT !!

- 1) Mr. Watt has to feed the cows on his farm. How many kilograms of food would Mr. Watt need every day? Every week?
- 2) Mr. Watt needs to give each animal space on his farm. Each animal should get 1 acre each. How many acres would Mr. Watt need on his farm to give every animal space?
- 3) Mr. Watt's chickens laid 1532 eggs in a year. How many eggs would be laid in 6 years? About how many eggs did each chicken lay during the year?
- 4) Out of the 32 rabbits, 26 are female. These females had 3 babies each. How many rabbits are there in total after all of the births?
- 5) Mr. Watt sells some of his pigs. Afterwards, he only has 9 pigs left. Mr. Watt buys 1000kg of salt for the pigs. How many kilograms will each pig get?
- 6) Write a story problem about Mr. Watt's farm. In this story, make sure you use Addition, Subtraction, Multiplication, and Division during your story. Solve every problem you write in your story.

Performance Assessment Rubric:

Mr. Watt's Farm that Mrs. Belliveau never visited 😊

	Level 1	Level 2	Level 3	Level 4
Problem solving <ul style="list-style-type: none"> chooses appropriate strategies to solve and create 1- and 2-step problems involving whole numbers, and estimates to check reasonableness of results 	uses few simple strategies to solve and create 1- and 2-step problems and check results; limited success	uses some appropriate strategies to solve and create 1- and 2-step problems and check results; some success	uses appropriate strategies to solve and create 1- and 2-step problems, and check results; successful	uses innovative and appropriate strategies to solve and create 1- and 2-step problems and check results; successful and effective
Understanding of concepts <ul style="list-style-type: none"> shows understanding of whole numbers by offering reasonable explanations of strategies, procedures, and results 	shows very limited understanding by giving inappropriate explanations of strategies, procedures, and results that use few concepts related to whole numbers	shows limited understanding by giving appropriate but incomplete explanations of strategies, procedures, and results using some concepts related to whole numbers	shows understanding by giving appropriate explanations of strategies, procedures, and results using relevant concepts related to whole numbers	shows thorough understanding by giving appropriate and complete explanations of strategies, procedures, and results using relevant concepts related to whole numbers
Application of mathematical procedures <ul style="list-style-type: none"> accurately: <ul style="list-style-type: none"> multiplies and divides whole numbers (may also add and subtract) reads and writes whole numbers 	makes few accurate calculations; major errors or omissions in: <ul style="list-style-type: none"> multiplying and dividing whole numbers (also adding and subtracting if used) reading and writing whole numbers 	makes some accurate calculations with several minor errors or omissions in: <ul style="list-style-type: none"> multiplying and dividing whole numbers (also adding and subtracting if used) reading and writing whole numbers 	makes accurate calculations with few minor errors or omissions in: <ul style="list-style-type: none"> multiplying and dividing whole numbers (also adding and subtracting if used) reading and writing whole numbers 	makes accurate calculations with no errors or omissions in: <ul style="list-style-type: none"> multiplying and dividing whole numbers (also adding and subtracting if used) reading and writing whole numbers
Communication <ul style="list-style-type: none"> explains reasoning clearly, using appropriate mathematical terminology 	explains reasoning unclearly and imprecisely	explains reasoning with some clarity	explains reasoning clearly and precisely	explains reasoning clearly, precisely, and confidently