


Fraction Lesson

Create a fraction word problem similar to the “animal, legs” problems studied in class. Film your clearly communicated solution and email to your teacher.

Legs in the barn

One third of the animals in the barn are chickens.
The rest are pigs. There are **20 legs** in all.

How many pigs are there?



Expectation (Grade 8)

Solve problems involving addition, subtraction, multiplication, and division with simple fractions

Communicate mathematical thinking orally, visually, and in writing, using mathematical vocabulary and a variety of appropriate representations, and observing mathematical conventions

Demonstrate that they are reflecting on and monitoring their thinking to help clarify their understanding as they complete an investigation or solve a problem

Learning Goals

We are learning to solve problems involving addition, subtraction, multiplication, and division with simple fractions

We are clearly communicating mathematical thinking orally, visually, and in writing, using mathematical vocabulary and a variety of appropriate representations.

We are reflecting on and monitoring our thinking to help clarify and explain our understanding as we complete an investigation or solve a problem

Success Criteria

The problem created uses simple fractions and builds on the “animal, leg” problem studied in class (e.g. uses 3 or 4 simple fractions with all different denominators; incorporating fractions of fractions into the problem)

The problem is constructed in such a way that it can be solved and the solution is an integer

Problem is clearly stated

Logical step-by-step solution (solution is effectively organized)

All steps are clearly explained (e.g. using words, pictures or simpler problems to explain a step or concept)