**Ms. Dawes: Cows and Calves**

Ms. Dawes: Can someone give me another problem for the legs? Dondell?

Student: Six times four.

Ms. Dawes: Six times four. We have six animals … they each have four legs … that makes twenty-four legs.

Student: Four times four?

Ms. Dawes: Four times four. Will that tell me how many legs in all?

Student: Ah …No

Student: Oh, yeah– twenty-five.

Ms. Dawes: What will four times four tell me- Jose?

Student: Sixteen.

Student: Sixteen?

Ms. Dawes: But what will it tell me about the cows?

Student: Ah … nothing about the legs.

Ms. Dawes: It will tell me something about the legs. Do you know what it will tell me about the legs, Marcus?

Student: That they’re will …

Ms. Dawes: Timmy?

Student: Twenty.

Student: Twenty.

Student: Twenty-four so far.

Ms. Dawes: But, wait a minute. Let’s talk about Jose’s. What does four times four tell me?

Student: Sixteen.

Student: Four times four means it will equal sixteen but there are twenty-four in all.

Ms. Dawes: But who has sixteen in this picture?

Student: The two big cows.

Student: No!

Ms. Dawes: Who has sixteen legs in this picture?

Student: Four!

Student: The two calves?

Ms. Dawes: The four calves. It’s four calves, right?

Student: Four calves.

Ms. Dawes: The four calves. So that’s the calves. What would I need to put with this? Ferris?

Student: Eight.

Ms. Dawes: What?

Student: Eight?

Ms. Dawes: Eight. Where did the eight come from, Ferris?

Student: From the two big fat cows?

Ms. Dawes: From the two big fat cows. So that’s sixteen and eight.

Ms. Dawes: You got a problem about the legs? Okay, Chang, tell me.

Student: Eight times three.

S? He took mine!

Ms. Dawes: Say it again?

Student: Eight times three.

Ms. Dawes: Eight times three.

Student: I have another one.

Ms. Dawes: Eight times three makes twenty-four.

Student: Twenty-four minus nothing?

Ms. Dawes: Twenty-four minus nothing.

S? Man!

Student: Twenty-four divided by zero?

Ms. Dawes: Twenty-four divided by zero. We’re leaving them alone.

Student: Leaving alone.

Ms. Dawes: That’s gonna give us zero. Will that tell us how many legs there are?

Student: Zero!

Ms. Dawes: Michaela?

Student: Twenty-four plus … twenty-four plus zero.

Ms. Dawes: Twenty-four plus zero. Dennis?

Student: Ah … twenty-three plus one?

Ms. Dawes: Twenty-three plus one. Whose leg aren’t you gonna count the first time?

Student: Ah, one of the calves?

Ms. Dawes: One of the calves. Okay. That’s all right. We can make lots of numbers that add up to twenty-four, couldn’t we.