**Mauricio Rates**

Mauricio: What we’re going to do today is we’re going to talk specifically about a comparison. In this class, we’ve been talking about comparing using fractions, percents, differences, and ratios. And I’ve said a ratio is a comparison of any two numbers. Any kind of comparison between two things. And we can write it either with, what? The colon sign... Let’s say I’ve got a three to two ratio, with the word three to two, or we even wrote them or expressed them in fraction form. Today we’re going to talk about a special kind of comparison and today’s POD leads into it really well. Not just a ratio, but a rate. A rate is a special kind of comparison, comparing two quantities that are labeled with totally different units. We’re comparing two quantities with totally different labels. What are some rates you may have come in contact with in your daily lives? Rates?

Mauricio: In keyboarding class, you work with any kind of rates? How good are you in there? Don’t have keyboarding? Lilla?

Student: When we swim ah [inaudible] 3 to 2, go a lap.

Mauricio: Go a lap or a distance, yeah. Distance per... let’s do it this way: what are we measuring? The lap is distance, right? Time, there you go. How about distance per time? Miles per... hour. Meters per second, maybe. We’ve measured some of those. Those walkers moving at the different speeds. In typing class, what’s that a rate? How many words per –

Student: Minute.

Mauricio: There you go. Those are rates. We’re comparing two different quantities completely. We’re comparing words to minutes. We’re not comparing things that belong in the same category. Two different labels – words, minutes. Any other rates now, now that they’re starting to ring a bell? ... The car! That new hybrid car, what does it get? So many ...

Student: Miles.

Mauricio: …miles per gallon. There you go.

Student: RPM.

Mauricio: RPM. What does RPM stand for?

Student: Revolutions per minute.

Mauricio: Revolutions per minute. What is something that travels in revolutions per minute?

Student: Those weird spinny things.

Mauricio: Weird spinny things, okay... Yes. We’ll talk later about that…

Student: [inaudible] huh?

Mauricio: Oh!

Student: Yeah, because once I got on one, it was going really fast and I hurt my back.

Mauricio: Well, now you’re, now you’re making sense, you’re talking about the, what? The rotor...?

Student: The, the--

Mauricio: Goes around in a circle?

Student: Kamikazi?

Mauricio: Okay.

Student: And it goes upside down–

Mauricio: Very good, yeah, yeah. We’re talking about revolutions, how many complete... circles or revolutions per minute. Any other rates? Other rates?

Student: The, uh, what is it, speedometer? Miles per ...

Mauricio: Yeah, miles per hour, that’s your speedometer.

Student: Kilometers per hour.

Mauricio: Kilometers per hour you can measure in any units, you’ve got it.