

Scene	Full Transcript
1	<p>Skylar: Hey, Skylar here. I think my soccer game's gonna be cancelled. It's been raining all day, and the weatherman says there's no end in sight. One thing that can be confusing about measurements is when you hear your neighbor say that they checked their gauge and we received two and one-fourth inches of rain or nine tenths of an inch of rain, while the weatherman says we got two point two five inches or point nine inches. When measurements are reported differently, it's hard to compare them. Now, I'm gonna go get my trusty rain gauge, and we'll get another <i>Problem Solved</i>.</p>
2	<p>Voice-Over Skylar: Wow, there's even more in here than yesterday! The gauge measures $\frac{3}{4}$ of an inch of rain. The weatherman said we received point seven five inches of rain. Now I'm sorry, but that's a pet peeve of mine. You never say point seven five; you're supposed to say seventy-five hundredths. Even weather professionals say it incorrectly.</p> <p>With $\frac{3}{4}$, you see the numerator and the denominator. With 0.75, you only see the numerator. The denominator is determined by place value. In this case, it's hundredths. I could also write it as a fraction. That's why we say seventy-five hundredths. I'm going to use this grid to compare amounts. This grid represents one inch of rain. Here's my $\frac{3}{4}$ of an inch. What if we were to divide this square into 100 equal parts? How many parts would be shaded? Each quarter now has 25 parts, so that's $\frac{75}{100}$. They're exactly the same amount! Seventy-five hundredths is seven tenths and five hundredths.</p>
3	<p>Skylar: Why don't we take a look at one more? The weatherman says that the airport received point eight, eight tenths of an inch in one hour. It must have been a downpour! Check this out.</p> <p>Voice-Over Skylar: Remember what I said about the place value being the denominator for decimals? Eight tenths can be written as $\frac{8}{10}$. If you use a grid divided into 10 parts, we can shade in eight columns to represent the rain.</p>
4	<p>Skylar: I always keep this in mind when I'm working with decimals and fractions to make sure I don't get soaked. That's another <i>Problem Solved</i>.</p>