7.RP.1: Worksheet

1. Ayesha can run half a kilometer in \(3\frac{1}{2}\) minutes. What’s her unit rate?

6. The track at Bronwyn’s school is \(\frac{1}{4}\) mile around. If she can do 3 laps in \(4\frac{1}{2}\) minutes, how fast is she running in miles per hour?

2. What’s an equivalent unit rate to eating 5 burgers in \(\frac{1}{3}\) of a minute?

7. If Emeril can grill \(\frac{2}{7}\) of a steak in \(\frac{3}{12}\) of an hour, how many steaks can he grill in a full hour?

3. When he really puts his mind to it, Teddy can watch \(\frac{4}{3}\) commercials in \(\frac{1}{6}\) of an hour. How many could he watch in an hour?

8. Jo just gassed up her jet ski at the harbor gas station. If she paid $10.25 for \(\frac{5}{2}\) gallons of gas, what are the harbor’s gas prices right now in dollars per gallon?

4. A recipe calls for \(\frac{1}{2}\) cup of sugar and \(\frac{3}{4}\) cup of flour. If you’ve got 3 cups of flour and you want to adjust the recipe so you use it all, how much sugar do you need?

9. A Boeing 747 can cruise the skies at 570 mph. How far can it fly in \(\frac{9}{8}\) hours?

5. Josie is the world’s fastest electric guitar player. If she can hit 8 different notes in half a second, how many notes can she play in a minute?

10. Let’s say you finished all 10 of these worksheet problems in \(6\frac{2}{3}\) minutes. What was your unit rate?