7.RP.1: Worksheet
Solutions

1. Ayesha can run half a kilometer in $3\frac{1}{2}$ minutes. What's her unit rate? $\frac{1}{7}$ $\frac{\text{km}}{\text{min}}$

2. What's an equivalent unit rate to eating 5 burgers in $\frac{1}{3}$ of a minute? 15 burgers per minute

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? Teddy can power through 8 commercials in an hour.

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? You'd need 2 cups of sugar.

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? Josie is shredding at 960 notes every minute.

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? She's running at 10 mph.

7. If Emeril can grill $\frac{6}{7}$ of a steak in $\frac{3}{14}$ of an hour, how many steaks can he grill in a full hour? He's grilling at a rate of 4 steaks per 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? Gas costs \$4.10 per gallon at the harbor.

9. A Boeing 747 can cruise the skies at 570 mph. How far can it fly in $\frac{9}{8}$ hours? That's a little over an hour, so it can go 641.25 miles.

10. Let's say you finished all 10 of these worksheet problems in $6\frac{2}{3}$ minutes. What was your unit rate? You did $\frac{2}{3}$ of a problem per minute. Nice!