

Rates to Ratios: Guide students to complete the next flow map where the rate is given, and then they move to unit rate, then to different ratios.

8. Complete the model below now using the rate listed below.

Ratio	Unit Rate	Rate
		6 ft/sec

Ratios: Answers may vary
6:1 60:10 12:2

Unit Rate: 6

Discussion

- Will everyone have the same exact ratio to represent the given rate? Why or why not?
 - *Possible Answer:* Not everyone's ratios will be exactly the same because there are many different equivalent ratios that could be used to represent the same rate.
- What are some different examples that could be represented in the ratio box?
 - *Answers will vary:* All representations represent the same rate: 12:2, 18:3, 24:4.
- Will everyone have the same exact unit rate to represent the given rate? Why or why not?
 - *Possible Answer:* Everyone will have the same unit rate for two reasons. First, the unit rate is the value of the ratio, and each ratio only has one value. Second, the second quantity of the unit rate is always 1, so the rate will be the same for everyone.
- Will everyone have the same exact rate when given a unit rate? Why or why not?
 - *Possible Answer:* No, a unit rate can represent more than one rate. A rate of $\frac{18}{3}$ feet/second has a unit rate of 6 feet/second.

Nys Common Core Mathematics Curriculum 4 Answers

Joacim Rocklöv



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