

6.RP Equivalent Ratios 2

Task

In a marching band there are 24 trombones and 15 snare drums.

- Heather says, "The ratio of trombones to snare drums is 24:15." Audrey says, "No, the ratio of trombones to snare drums is 8:5." Who is right, and why?
- A different marching band has 30 snare drums, but its trombone to snare drum ratio is the same as the first marching band. How many trombones does it have?
- Explain what these ratios all have in common: 8:5, 16:10, 24:15. Create a diagram to support your answer.
- Mathematicians call these "equivalent ratios." Come up with a new set of ratios that are equivalent to 6:21.
- Explain in your own words the meaning of "equivalent ratios."



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