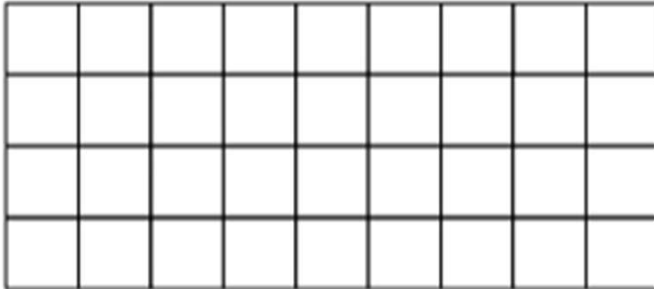


Equivalent Ratios Worksheet

- a. The ratio of the width of the rectangle to the height of the rectangle is _____ to _____.



- b. If each square in the grid has a side length of 8 mm, what is the width and height of the rectangle?

For a project in their health class, Jasmine and Brenda recorded the amount of milk they drank every day. Jasmine drank 2 pints of milk each day, and Brenda drank 3 pints of milk each day.

- a. Write a ratio of the number of pints of milk Jasmine drank to the number of pints of milk Brenda drank each day.
- b. Represent this scenario with tape diagrams.

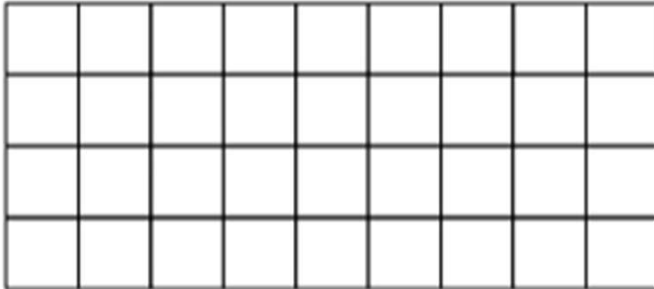
- c. If one pint of milk is equivalent to 2 cups of milk, how many cups of milk did Jasmine and Brenda each drink? How do you know?

- d. Write a ratio of the number of cups of milk Jasmine drank to the number of cups of milk Brenda drank.

- e. Are the two ratios you determined equivalent? Explain why or why not.

Equivalent Ratios Worksheet

- a. The ratio of the width of the rectangle to the height of the rectangle is 9 to 4.



- b. If each square in the grid has a side length of 8 mm, what is the width and height of the rectangle?

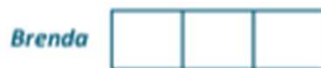
72 mm wide and 32 mm high

For a project in their health class, Jasmine and Brenda recorded the amount of milk they drank every day. Jasmine drank 2 pints of milk each day, and Brenda drank 3 pints of milk each day.

- a. Write a ratio of the number of pints of milk Jasmine drank to the number of pints of milk Brenda drank each day.

2:3

- b. Represent this scenario with tape diagrams.



- c. If one pint of milk is equivalent to 2 cups of milk, how many cups of milk did Jasmine and Brenda each drink? How do you know?

Jasmine drank 4 cups of milk, and Brenda drank 6 cups of milk. Since each pint represents 2 cups, I multiplied Jasmine's 2 pints by 2 and multiplied Brenda's 3 pints by 2.

- d. Write a ratio of the number of cups of milk Jasmine drank to the number of cups of milk Brenda drank.

4:6

- e. Are the two ratios you determined equivalent? Explain why or why not.

2:3 and 4:6 are equivalent because they represent the same value. The diagrams never changed, only the value of each unit in the diagram.

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