

# REVIEW OF LAST CLASS: RATIOS

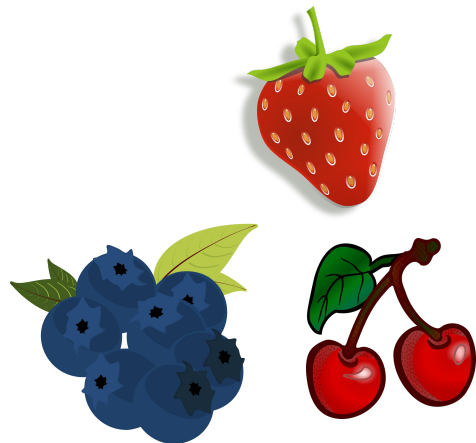
- part-to-part ratios
- part-to-whole ratios
- two-term ratios
- three-term ratios
- writing part-to-whole ratios as fractions and as percents

## Example

Emily made a fruit salad with 2 cups of strawberries, 3 cups of blueberries, and 1 cup of cherries.

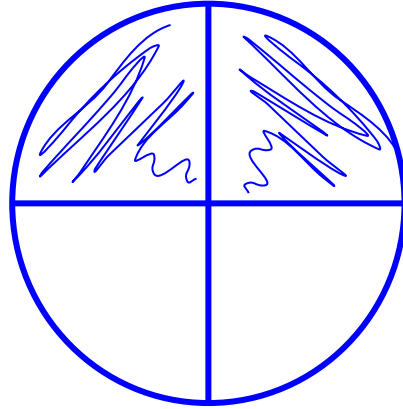
Write a:

- part-to-part ratio
  - two-term ratio and three-term ratio
- part-to-whole ratio
- part-to-whole ratio as a fraction and as a percent



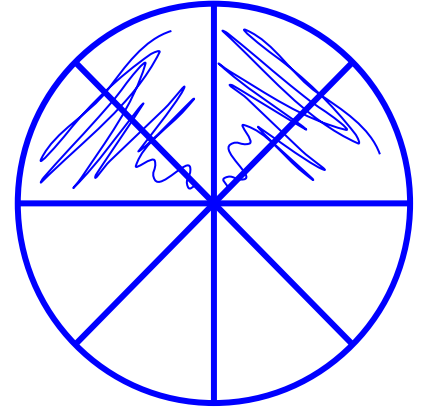
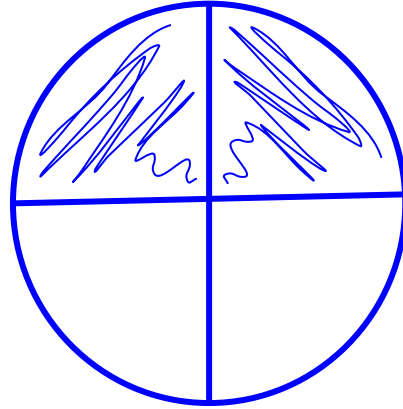
## Equivalent Fractions

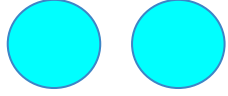
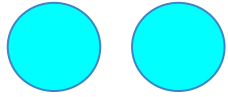
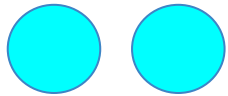
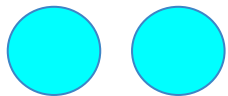
$$\frac{2}{4} = \frac{4}{8}$$



# Equivalent Fractions

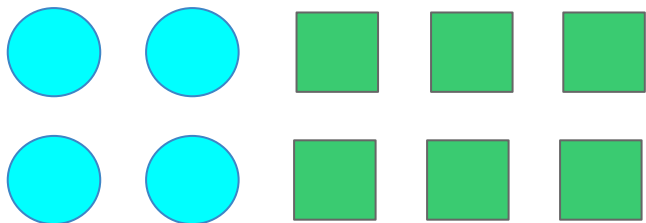
$$\frac{2}{4} = \frac{4}{8}$$



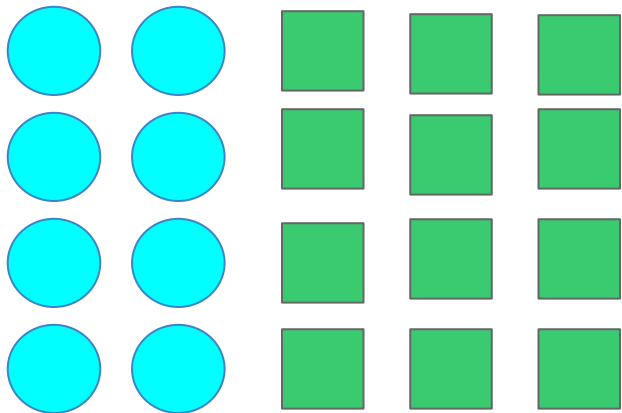




**2:3**



**4:6**



**8:12**

# Equivalent Ratios

- have the same relationship between numbers
  - are formed by multiplying or dividing the terms of a ratio by the same number
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Examples:

**1:3** is equivalent to: **3:9** and **4:12**

**36:28** is equivalent to **18:14** and **9:7**

Example: Write 2 ratios equivalent to 4:6



Example: Write 2 ratios equivalent to 48:32

To determine if two ratios are equivalent:

- write both ratios in simplest form
    - dividing terms of the ratio by their greatest common factor
  - if they are the same in simplest form, they are equivalent
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Example: Is the ratio 18:12 equivalent to 6:4?

To determine if two ratios are equivalent you can divide the terms of one ratio by the terms of the other and see if you get the same number.

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Example: Are the ratios 27:15 and 9:5 equivalent?

Step 1: Divide 27 by 9

Step 2: Divide 15 by 5

Step 3: Did you get the same number in steps 1 and 2? If so, they are equivalent.