5.1

Ratios

What are ratios?
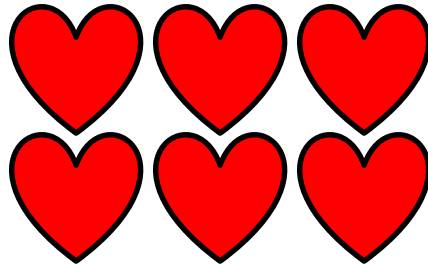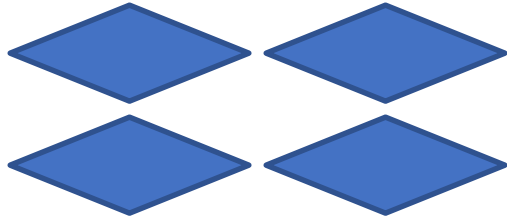
A ratio is a comparison between two things.

What is the ratio of stars to moons? Write this 3 different ways.

Simplifying Ratios

Ratios can act like fractions because they can be simplified like fractions.

To simplify a ratio, write it like a fraction and then simplify.

Practice

You have the coins shown.

a.   Write the ratio of pennies to quarters.

b.   Write the ratio of quarters to dimes.

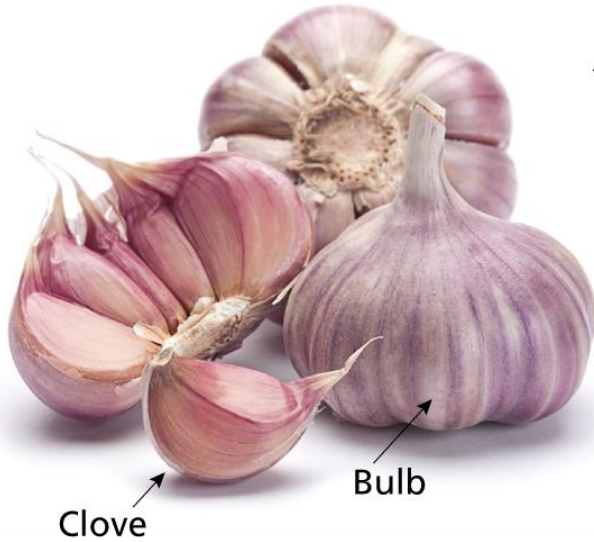c.   Write the ratio of dimes to the total number of coins.

Application

The ratio of your monthly allowance to your friend's monthly allowance is 5 : 3. The monthly allowances total $40. How much is each allowance?

You separate 42 bulbs of garlic into two groups: one for planting and one for cooking. You will plant 3 bulbs for every 4 bulbs that you will use for cooking. Each bulb has about 8 cloves. About how many cloves will you plant?

Bulb

Clove

Comparing Ratios

Complete the statement using <, >, or =.

$$9:15 \_\_\_ 8:20$$