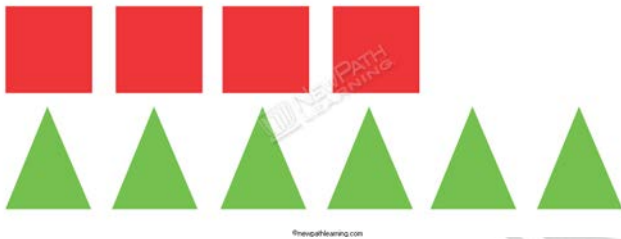


RATIOS

Using Ratios

Ratios are used to make a comparison between two things.

Example 1:



Look at the

What is the

We are comparing

angles.

**PREVIEW**
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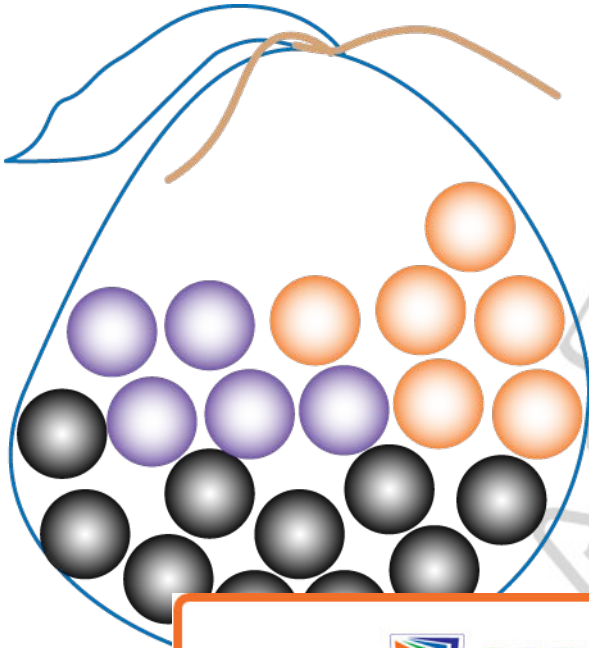
Answer


We say: 4 to 6 (4 **RED** squares **TO** 6 **GREEN** triangles)

We write: 4:6

Expressed as fraction: $\frac{4}{6}$

Example 2:




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This bag contains
 and **6 ORANGE**

marbles,

What is the ratio of ALL the marbles to purple marbles?

We are comparing the **TOTAL** number of marbles (all the marbles) in the bag to the number of **PURPLE** marbles.

We need to find the total number of marbles first by adding

$$10 + 5 + 6 = 21$$

Answer

We say: 21 to 5 (**21**, total number of marbles **TO** 5 **PURPLE** marbles)

We write: **21:5**

Expressed as fraction: **21/5**