What is ratio?

https://www.bbc.co.uk/bitesize/topics/zsq7hyc/articles/z8kfnbk

https://www.theschoolrun.com/what-is-ratio

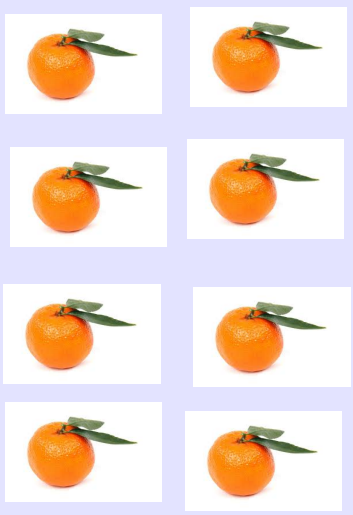
8:16 = 4:8 = 2:4 = 1:2

3:15 = 1:5

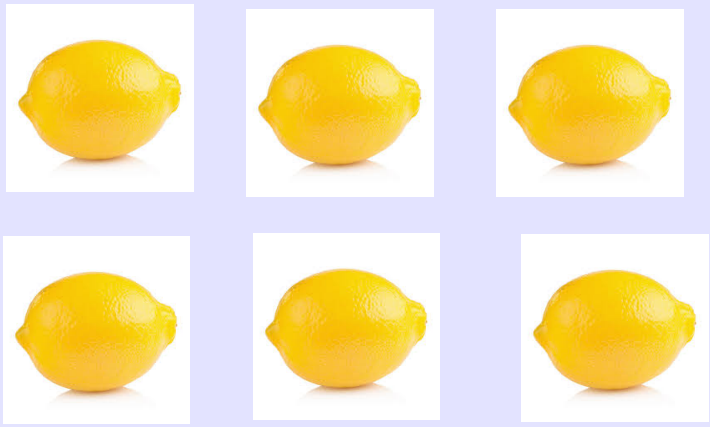
9:3 = 3:1

What is ratio?

In mathematics, a ratio indicates how many times one number contains another. For example, if there are eight oranges and six lemons in a bowl of fruit, then the ratio of oranges to lemons is eight to six.



8 out of....

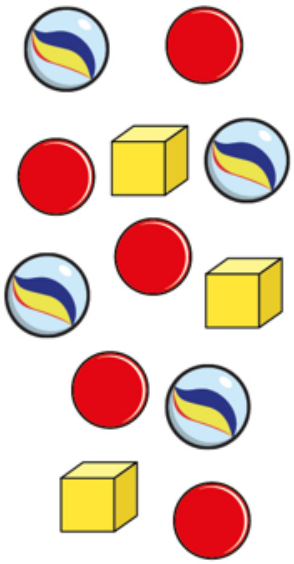


6 out of....

Ratio of....

LO: to use the ratio symbol.

I do



I do



For every 3 sheep there are ☐ cows.

For every 2 cows there is ☐ sheep.

we do

Which one?

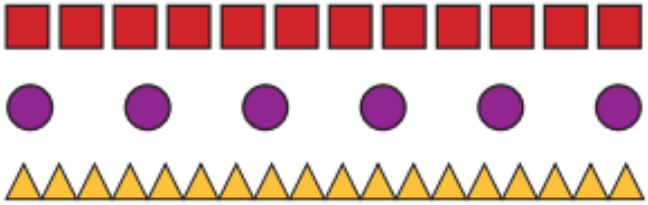


A. For every 2 oranges there are 4 strawberries.

B. For every 2 oranges there are 2 strawberries.

we do

Here are some shapes.



Complete the sentences.

For every 6 squares there are ☐ circles.

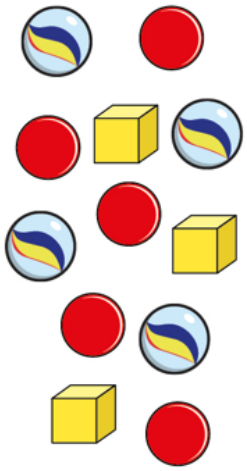
For every 6 squares there are ☐ triangles.

For every 1 square there is ☐ a circle.

I do

Dani has some counters, cubes and marbles.

Complete the sentences.



The ratio of counters to marbles is ☐ : ☐

The ratio of marbles to cubes is ☐ : ☐

The ratio of cubes to counters is ☐ : ☐

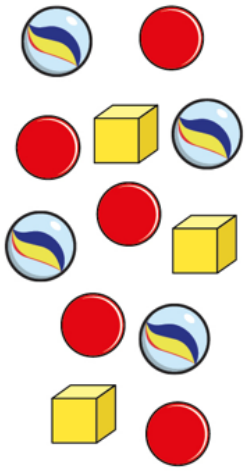
The ratio of counters to cubes is ☐ : ☐

The ratio of counters to cubes to marbles is ☐ : ☐ : ☐

LO: to use the ratio symbol.

Dani has some counters, cubes and marbles.

Complete the sentences.



The ratio of counters to marbles is ☐ : ☐

The ratio of marbles to cubes is ☐ : ☐

The ratio of cubes to counters is ☐ : ☐

The ratio of counters to cubes is ☐ : ☐

The ratio of counters to cubes to marbles is ☐ : ☐ : ☐

LO: to use the ratio symbol.



There are 7 _____ for every 3 _____.

6a. True or false?



For every square there are 2 hearts.

Challenge:

4 a) Make a tower of cubes that has 3 green cubes for every 1 red cube.

b) Compare your tower to a partner's tower.

What is the same and what is different about your tower?

5 For every 2 pencils there are 3 rulers. Draw a picture to show this.

6 Write three different 'For every ...' sentences for the cubes.

