

# Ratio and Proportion

## Calculating ratio

True or false? The ratio of bananas to apples is 4:3.



True or false? The ratio of snails to butterflies is 2:4.



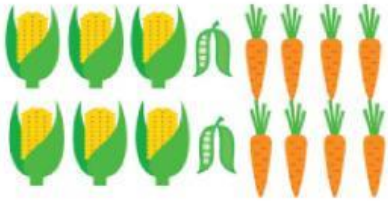
Match the statements that mean the same thing.

| | |
|---|---|
| A. 1:2 red counters to blue counters | 1. There are twice as many blue counters as red counters. |
| B. 3:2 red counters to blue counters | 2. For every 2 blue counters, there are 3 red counters. |
| C. 2:3 red counters to blue counters | 3. For every 2 red counters, there are 3 blue counters. |

Match the statements that mean the same thing.

| | |
|---|---|
| A. 3:7 pens to pencils | 1. There are four times as many pens as pencils. |
| B. 7:3 pens to pencils | 2. For every 7 pens, there are 3 pencils. |
| C. 1:4 pencils to pens | 3. For every 3 pens, there are 7 pencils. |

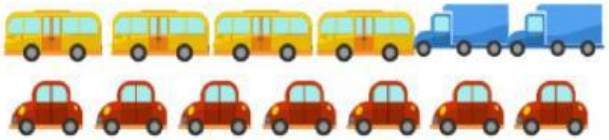
Write a statement to describe the ratio of 6:8 shown below.



VF

For every...

Write a statement to describe the ratio of 2:4 shown below.



VF

For every...

LIVEWORKSHEETS

What is the ratio of horses to giraffes?



☐ : ☐

Use the ratio to calculate how many animals there will be altogether if there are 20 horses.

| | |
|---|---|
| 20 | horses |
| ☐ | giraffes |
| ☐ | animals altogether |

What is the ratio of golf balls to golf clubs?

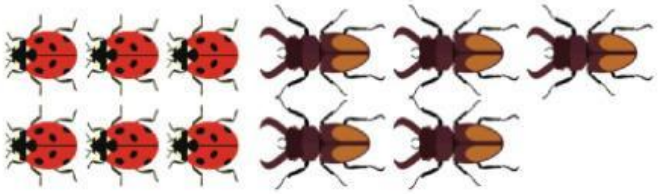


☐ : ☐

Use the ratio to calculate how many items there will be altogether if there are 24 golf balls.

| | |
|---|---|
| 24 | golf balls |
| ☐ | golf clubs |
| ☐ | items altogether |

Tick the correct statements about the representation below.



A. For every 5 beetles, there are 6 ladybirds. ☐

B. If there are 15 beetles, there will be 18 ladybirds. ☐

C. If there are 30 ladybirds, there will be 55 insects in total. ☐

D. If there are 44 insects in total, 22 of them will be beetles. ☐

Oscar is following a recipe to make some homemade soup for a party.

To make 500g of soup, the ratio of carrots to potatoes is 4 : 5.

He wants to make 2kg of soup.

He says, "I will need to buy 15 carrots to make enough soup."

Is he correct? Explain why.

LIVEWORKSHEETS