

Using Ratio Language

1. Tick the statements which are correct.



- A. For every two toy trains, there are four toy cars.
- B. For every one toy boat, there are three toy trains.
- C. For every two toy cars, there is one toy train.

VF

4. Julie has a bag of marbles.

There are four green marbles for every eight yellow marbles.

She says,



If there were four yellow marbles, there would be two green marbles in total.

Is Julie correct?
Prove it.

R

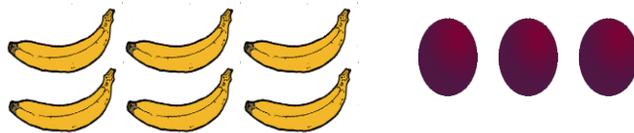
2. Complete the sentences below.



- A. For every four squares, there are hearts.
- B. For every four hearts, there are squares.
- C. For every one square, there are hearts.

VF

5. Ellis and Jo are looking at the relationship between bananas and grapes.



Ellis thinks that if there was one grape, there would be two bananas.

Jo thinks that if there was one banana, there would be two grapes.

Who is correct? Convince me.

R

3. Fill in the missing numbers.

There are two triangles for every four circles and four squares.

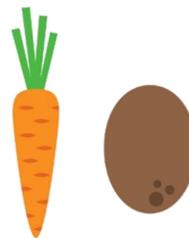


- A. If there were four triangles, there would be circles.
- B. If there were 8 squares, there would be triangles.

VF

6. Poppy has a bag of shopping containing carrots and potatoes.

There are twelve vegetables altogether.



Write three different sentences to show the possible ratios of carrots to potatoes.

PS

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1. A and C
2. A. 8; B. 2; C. 2
3. A. 8; B. 4
4. Julie is correct. If we halve the number of yellow marbles then we need to halve the number of green marbles. Four yellow marbles would mean we have two green marbles in total.
5. Ellis is correct. To have one grape, we divide the total by three so we need to divide the six bananas by three. Six divided by three is two so for every one grape, there are two bananas.
6. Various answers, for example: For every four carrots, there are two potatoes; for every two carrots, there is one potato; for every three carrots, there are three potatoes.