

1) Complete each statement.



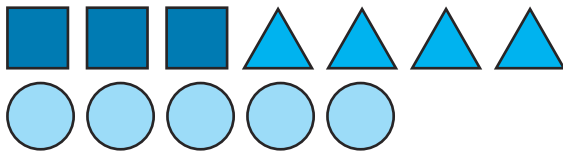
- a) For every \_\_\_\_\_ apples, there are \_\_\_\_\_ oranges.
- b) The ratio of apples to oranges: \_\_\_\_\_:\_\_\_\_\_
- c) For every \_\_\_\_\_ oranges, there are \_\_\_\_\_ apples
- d) The ratio of oranges to apples is \_\_\_\_\_:\_\_\_\_\_

2) Tick the statements that are correct. Correct the statements that are wrong.



- a) For every 4 black counters, there are 3 white counters.
- b) The ratio of black counters to white counters: 3:4
- c) The fraction of counters that is white is  $\frac{3}{4}$ .

3) Complete each statement.



- a) For every \_\_\_\_\_ squares there are \_\_\_\_\_ triangles and \_\_\_\_\_ circles.
- b) The ratio of squares to triangles: \_\_\_\_\_:\_\_\_\_\_
- c) The ratio of triangles to squares: \_\_\_\_\_:\_\_\_\_\_
- d) The ratio of triangles to circles: \_\_\_\_\_:\_\_\_\_\_
- e) The ratio of circles to triangle: \_\_\_\_\_:\_\_\_\_\_
- f) The ratio of squares to triangles to circles: \_\_\_\_\_:\_\_\_\_\_:

4) Write three of your own ratio statements to describe the fruit.



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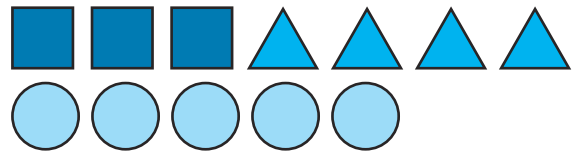
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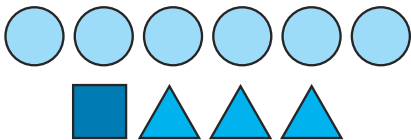
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- 1) These statements describe this picture. Which of these statements are correct or incorrect? Explain how you know and correct the incorrect ones.



- There are three cats for every two dogs.
- The ratio of dogs to cats: 2:3
- The ratio of cats to dogs: 2:3
- $\frac{2}{3}$  of the pets are cats.

- 2) Here are some shapes.



Do you agree or disagree with Joshua's statement? Explain why.

Joshua

If another 2 squares and 2 triangles were added to this collection of shapes, then the ratio of circles to triangles to squares would be 3:5:6.



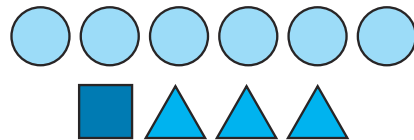
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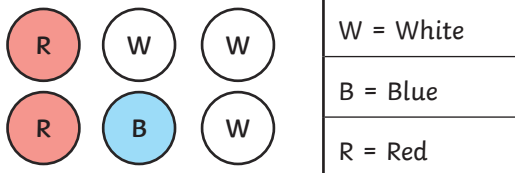


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- 1) Look at this collection of different colour counters.



For each statement, find how many more counters of each colour you would need to add to make the statement correct. Explain your reasoning.



- The ratio of blue counters to white counters: 4:1
- The ratio of red counters to blue counters to white counters: 1:3:4

- 2) There are between 10 and 30 animals on a farm. The ratio of cows to sheep: 2:3 Investigate finding the possible numbers of sheep and cows on the farm.

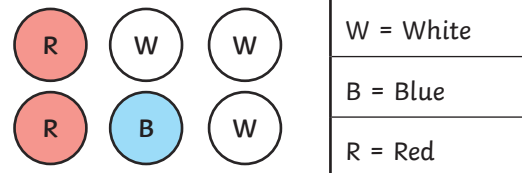


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