

# Introduction to the ratio symbol

1 Complete the sentences to describe the counters.



For every 2 red (R) counters, there are  yellow (Y) counters.

The ratio of red counters to yellow counters is  :

For every  yellow counters, there are  red counters.

The ratio of yellow counters to red counters is  :

2 Here are some counters.



a) Write two 'For every ...' sentences to compare the different coloured counters.

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b) Write the ratio of red to yellow counters.

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c) Write the ratio of yellow to red counters.

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Can you write any of your answers another way?



3



Mo

The ratio of purple to yellow is 5 : 4

Alex

It is 4 : 5

Who is correct?

Explain your answer.

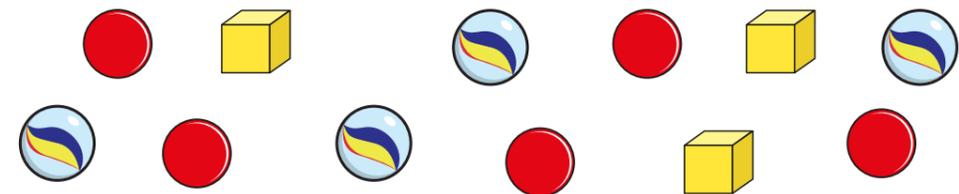
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4

Dani has some counters, cubes and marbles.



Complete the sentences.

The ratio of counters to marbles is  :

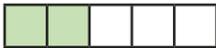
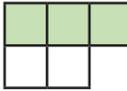
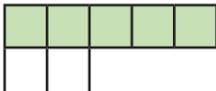
The ratio of marbles to cubes is  :

The ratio of cubes to counters is  :

The ratio of counters to cubes is  :

The ratio of counters to cubes to marbles is  :  :

- 5 The ratios show shaded parts to non-shaded parts.  
Match the ratios, statements and bar models.

2:3	five to two	
5:2	three to two	
2:5	two to three	
3:2	two to five	

- 6 Brett has drawn some triangles and squares.  
The ratio of triangles to squares is 1:3

a) Are there more triangles or more squares? \_\_\_\_\_  
Explain how you know.

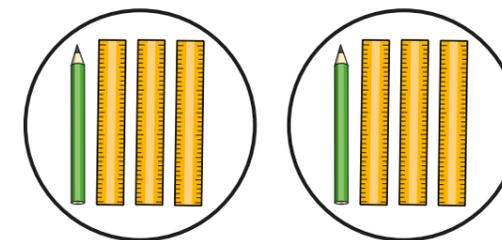
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b) Brett has drawn more than 10 shapes.  
Draw what Brett might have drawn.

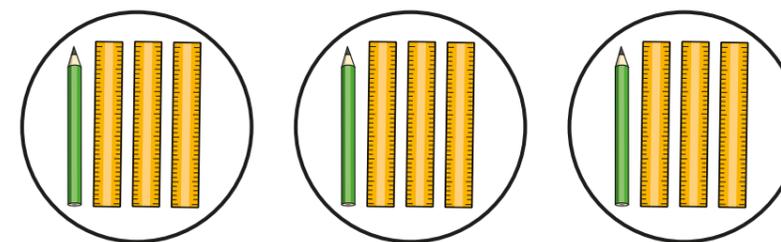


- 7 Here are some rulers and some pencils.



a) What is the ratio of pencils to rulers?    :   

b) Here are some more rulers and pencils.



Has the ratio of pencils to rulers changed or stayed the same?

How do you know? \_\_\_\_\_

- 8 The ratio of horses to chickens in a field is 2:5  
Here are the horses. Draw the chickens.



- 9 Shade squares so that the ratio of shaded to non-shaded squares is 1:4

