

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.

- b) Write the ratio of red to yellow counters.

 :

- c) Write the ratio of yellow to red counters.

 :

Can you write any of your answers another way?



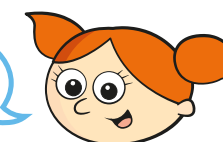
3



Mo

The ratio of
purple to yellow
is 5 : 4

Alex



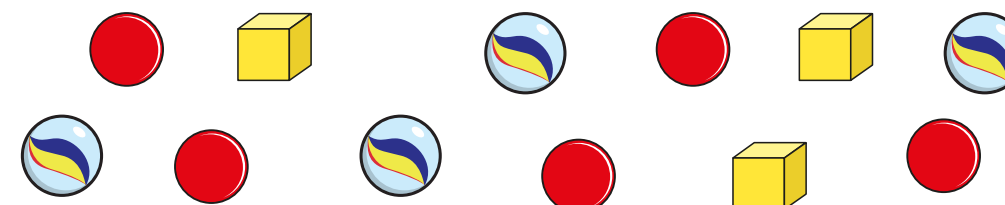
It is 4 : 5

Who is correct?

Explain your answer.

4

Dani has some counters, cubes and marbles.



Complete the sentences.

The ratio of counters to marbles is :



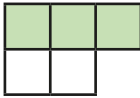
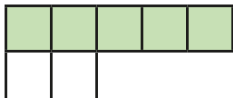
The ratio of marbles to cubes is :

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	

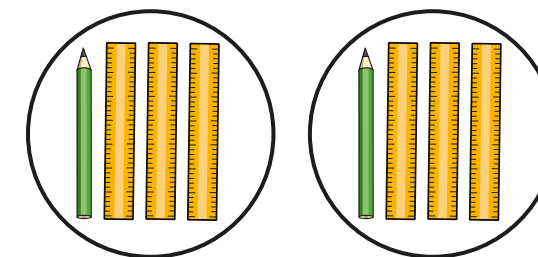
- 6 Brett has drawn some triangles and squares.
The ratio of triangles to squares is 1:3

- a) Are there more triangles or more squares? _____
Explain how you know.

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

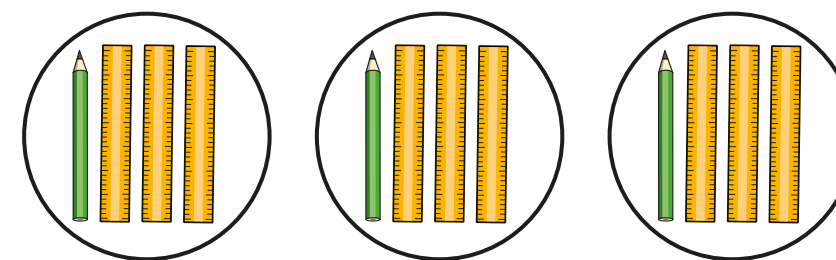


- 7 Here are some rulers and some pencils.



- 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

a)

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b)

c)

