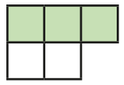
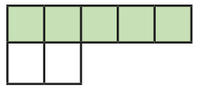
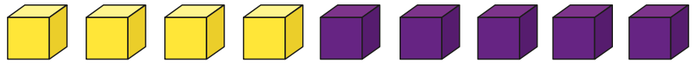
Introducing the ratio symbol

1 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	

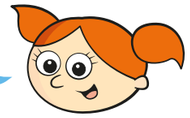
2



The ratio of purple to yellow is 5 : 4

Mo

It is 4 : 5



Alex

Who is correct? _____

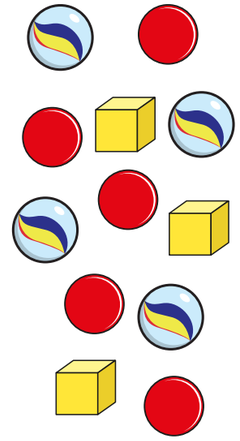
Explain your answer.

_____

_____

3 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 ☐ : ☐ : ☐

4 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.

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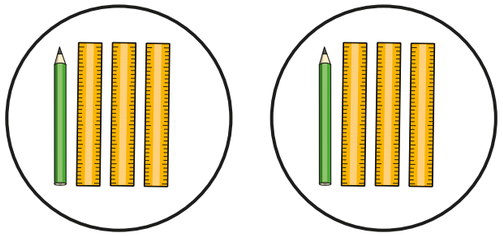
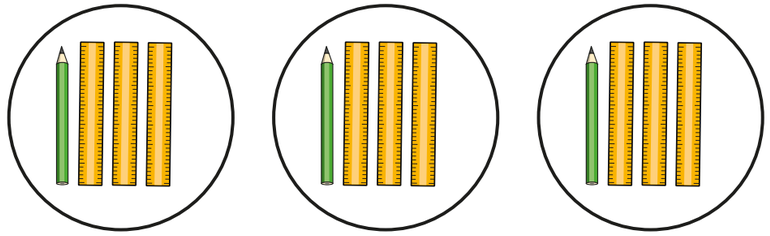
5 Here are some rulers and some pencils.

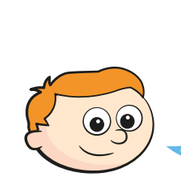


a) What is the ratio of pencils to rulers?

☐ : ☐

b) Here are some more rulers and pencils.





The ratio of pencils to rulers is the same as in part a).

Ron

Ron is wrong because there are more pencils and more rulers.

Dora

Who is correct? _____

Explain your answer.

_____

_____

6 The ratio of horses to chickens in a field is 2 : 5

Here are the horses. Draw the chickens.

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

a) ☐☐☐☐☐

b) ☐☐☐☐☐
☐☐☐☐☐

c) ☐☐☐☐☐
☐☐☐☐☐
☐☐☐☐☐

8 A box contains dark, white and milk chocolates.

$\frac{3}{8}$ of the box are dark chocolates.

$\frac{1}{2}$ of the box are milk chocolates.

The rest are white chocolates.

What does each ratio represent?

a) 1 : 3

_____

b) 4 : 1

_____

c) 3 : 5

_____

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