


Introducing the Ratio Symbol

4. Look at the set of objects below and complete the statements, using the ratio in its simplest form.




A. For every _____ squares, there are _____ circles and _____ triangles.


B. The ratio of squares to circles is _____.


C. The ratio of circles to triangles is _____.

D. The ratio of squares to circles to triangles is _____.

5. Match each image with the fraction of squares it contains, and the ratio of the two shapes represented.

A. $\frac{3}{9}$  1:2

B. $\frac{3}{10}$  4:5

C. $\frac{4}{9}$  3:7

6. Use the digit cards to write different ratios which match the given picture. Write the statements to go with them.

1

2

3

4

5


6

7

8

9

The ratio of _____ to _____ to _____ is




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7a. This machine turns sentences into ratios. Could this ratio be correct?


$\frac{3}{8}$ of a bag of sweets are red. For every 2 blue sweets, there are 3 green sweets.



3:2:3


Convince me.

8a. Each child's statement is correct.




Leomar

The ratio is 2:3.



Persephone

The fraction is $\frac{1}{3}$.



Explain how this is possible.

9a. In a class of 30 children, $\frac{3}{10}$ have a pet dog. The rest either have a pet cat or have no pets. More children have a pet than don't have a pet.


Write down 3 solutions for the possible ratio of dogs to cats to none.

Draw counters to support your answers.

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7b. This machine turns sentences into ratios. Could this ratio be correct?


$\frac{3}{11}$ of a box of chocolates are white. For every 3 milk, there are 5 dark.



11:3:3


Convince me.

8b. Each child's statement is correct.




Rio

The ratio is 3:5.



Mave

The fraction is $\frac{1}{2}$.



Explain how this is possible.

9b. In my pencil case of 15 items, $\frac{1}{3}$ are handwriting pens. The rest are either felt flip pens or pencils. There are more pens than pencils.

Write down 3 solutions for the possible ratio of pencils to handwriting pens to felt flip pens.

Draw counters to support your answers.

Challenge yourself and complete both sheets.

Do not forget to learn your times table.