

1. Complete these statements.



a) For every \_\_\_\_\_ strawberries, there are \_\_\_\_\_ bananas.

The ratio of strawberries to bananas is   :  .



b) For every \_\_\_\_\_ circles, there are \_\_\_\_\_ triangles.

The ratio of circles to triangles is   :  .

2. True or false? Circle the correct answer.



$\frac{1}{4}$  of the balls are rugby balls.                      true / false

The ratio of rugby balls to footballs is 1:4.                      true / false

The percentage of footballs is 75%.                      true / false

3. **a** What proportion are green squares?



**b** What proportion is white?

4. **a** There are two cats and five dogs.  
 What proportion of the pets are cats?  
**a** \_\_\_\_\_

- b** What proportion are dogs?  
 \_\_\_\_\_

5. Andra has three green skirts and four blue skirts.

- a** What is the ratio of green to blue?  
 \_\_\_\_\_

- b** What is the ratio of blue to green?  
 \_\_\_\_\_

6. **a** What proportion are blue squares? .....



- b** Write this fraction in its simplest form. ....

- c** What is the ratio of blue to orange? .....

7. There are two bananas for every four apples.

- a** How many fruits are there altogether? .....

- b** What proportion of the fruit are apples? .....

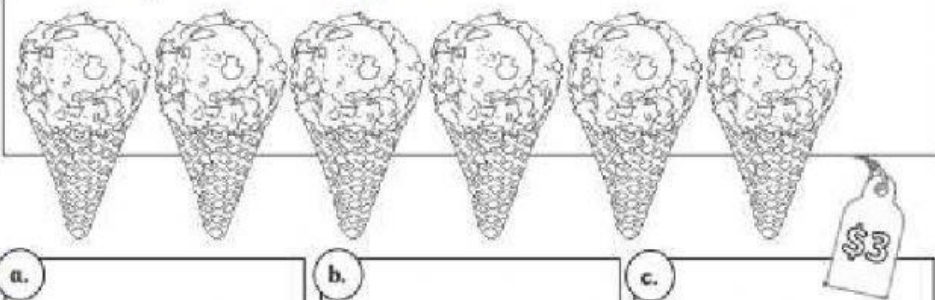
- c** What is the ratio of bananas to apples? .....

7. Express the ratio in the simplest form:

- a.  $13 : 39 =$   
b.  $14 : 40 =$   
c.  $25 : 15 =$

### Word Problem & Problem Solving

8. Tom buys six ice creams for \$3.00.



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|--|--|---|
| <p>a.</p> <p>How much do three ice creams cost?</p> <p>_____</p> | <p>b.</p> <p>How much would 12 ice creams cost?</p> <p>_____</p> | <p>c.</p> <p>What would be the total cost for 15 ice creams?</p> <p>_____</p> |
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9. Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.

- a) Two medium pizzas cost \$13.

Calculate the cost of 7 medium pizzas.

A large grid of graph paper, consisting of 20 columns and 10 rows of squares. A small rectangle is drawn on the right side of the grid, spanning 4 columns and 2 rows. The rectangle is located in the bottom right corner of the grid, starting from the 16th column and the 8th row, and ending at the 20th column and the 10th row.