

Exercises

1) Michael ran 100 metres today. He is going to run four times as far tomorrow.

a) How far will he run tomorrow ?

b) What will be the ratio of today's distance run, to tomorrow's distance run ?

2) When we make cordial using 1 part cordial and 3 parts water ...

a) we use a ratio of ?

b) how many parts altogether ?

3) When we make cordial using 1 part cordial and 8 parts water ...

a) we use a ratio of ?

b) how many parts altogether ?

4) Paul had 10 marbles. Kevin had five times as many marbles as Paul.

a) What was the ratio ?

| |
|-------|
| P : K |
| : |

b) What was the ratio, in its simplest form ?

| |
|---|
| : |
|---|

5) Tracey has 10 dolls this year. She wants to collect eight times as many next year. If she does ...

a) how many dolls will she collect next year ?

| |
|--|
| |
|--|

b) what will be the ratio of her dolls collected this year to next year ?

| |
|--|
| |
|--|

Cake Recipe

2 cups of flour

2 eggs

3 tablespoons of butter

$\frac{1}{2}$ cup of sugar

4 drops of vanilla essence

1 cup of milk

$\frac{1}{2}$ teaspoon of baking powder

Here is a recipe for a cake that serves 6 people. I need to make enough for 54 people.

6) By what ratio do I need to increase the ingredients' measurements ?

7) The new measurements will be :

a) cups of flour

b) eggs

c) tablespoons of butter

d) cups of sugar

e) drops of vanilla essence

f) cups of milk

g) teaspoons of baking powder

8) a) $1:9 = 6 : \text{[]}$

b) The above two ratios are

E _____ Ratios.

Result

20