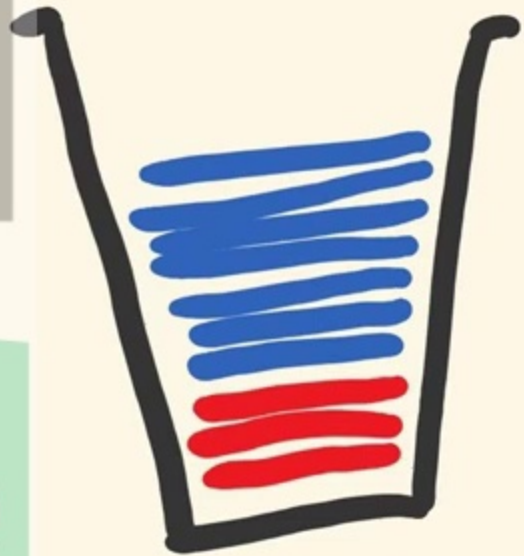


RATIOS



3:7



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In Mathematics, a ratio indicates how many times one number contains another.

For example, if there are seven bananas and six oranges in a bowl of fruit...



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7

:

6

Bananas to the ratio oranges?
7 : 6

Oranges to the ratio bananas?
6 : 7

**Bananas to the ratio fruit in the
bowl?**
7 : 13

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Writing ratios in their simplest form:

Jack earns R 24 000, Susan earns R 12 000 and Ruby earns R 16 000.
Write their salaries up as a ratio to each other, in its simplest form.

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Dividing numbers into a given ratio:

The ratio of boys to girls in a class is 3 : 2.
If there are 25 students in the class, how many boys are there?

Boys : Girls
3 : 2

Add the ratio parts together!

3 + 2 = 5 parts all together

Boys: $\frac{3}{5} \times 25 = 15 \text{ boys}$

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Examples:

Inheritance of R 350 000 must be shared between three brothers
in the ratio 2 : 2 : 3.

Calculate how much each person must receive.

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**Examples:**

The instructions on a cool drink mixer says to mix the cool drink syrup with water in a ratio of 1 : 4. (Meaning one part syrup with every 4 parts of water). Calculate how many ml of water and how many ml of syrup is needed to make a large quantity of 5 litres.



Homework:

Page 13

Number 1, 2, 4, 5, 6, 7, 8, 9, 10



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