7 Ratio

Lesson 7.1 Finding Ratio

Solve.

A packet of breakfast cereal contains these ingredients:

Dried fruit	16 grams
Walnuts	23 grams
Rolled oats	11 grams
Cornflakes	10 grams

1. Find the total mass of the ingredients in the packet of breakfast cereal.

$$16 + 23 + 11 + 10 = 60$$

2. Complete the table to show the ratios.

The Ratio of	Ratio
The mass of walnuts to the mass of cornflakes	23:10
The mass of rolled oats to the total mass of cereal	11:60
The total mass of cereal to the mass of walnuts	60:23
The total mass of dried fruit and walnuts to the mass of cornflakes	39;10
The total mass of cereal to the mass of cornflakes	60:10

Solve.

3. A concrete mixture is made up of 3 parts water, 4 parts cement, and 5 parts sand. Find the ratios of:

a. the amount of cement to the amount of water

4:3

4 parts of cement   3 parts of water

b. the amount of sand to the amount of the concrete mixture

3 + 4 + 5 = 12

5:12

4. There are 20 animals in a pond. Of these animals, 7 are frogs, 8 are fish, and the rest are tortoises. Find the ratios of:
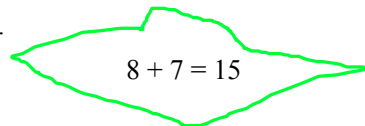
a. the number of frogs to the total number of animals

7:20

20 - 15 = 5

b. the number of fish to the number of tortoises

The total number is 20 animals.

8 + 7 = 15   What is the missing number?

8 fish   8:5   5 tortoises

5. Malik had $56 at first. He had $27 left after giving some money to both Anne and John. If John received $15, what was the ratio of the amount of money Anne received to the amount of money John received?

56 - 15 - 14 = 27

14:15