

### 3.1 The meaning of a ratio (work sheet)

1. The meaning of a ratio:

Suppose **a** and **b** are two similar scales or two numbers. To compare **b** with **a**, you need to divided **a** by **b**. This is called the ratio of **a** and **b**.

Written as \_\_\_\_\_ or \_\_\_\_\_

2. Exercise 1

If a class has 41 students and 18 of them are girls. Write down the following ratio.

a. number of girls : number of all the students \_\_\_\_\_

b. number of boys : number of all the students \_\_\_\_\_

c. number of girls : number of boys \_\_\_\_\_

Exercise 2

What's the ratio value for each of these ratios?

a. 9 : 15

b. 0.2 : 0.8

c.  $\frac{5}{2}$  : 0.8

d. 75 g : 0.5 kg

e. 5 feet : 40 inches

f. 5 hours : 160 minutes

What should be noticed ?

3. Relationship between ratio, fraction and division

\_\_\_\_\_

4. Game time

Q: I have \_\_\_\_\_, If \_\_\_\_\_.

How many \_\_\_\_\_?

Summary:

What have we learned today ?

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