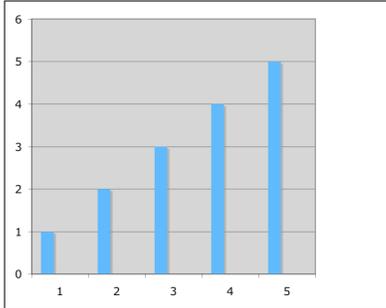


## Fractions Glossary - Vietnamese Từ Điển Phân Số

### 1) **bar graph / giản đồ cột**

a chart with bars where the lengths of each bar represents an amount



### 2) **canceling / triệt tiêu**

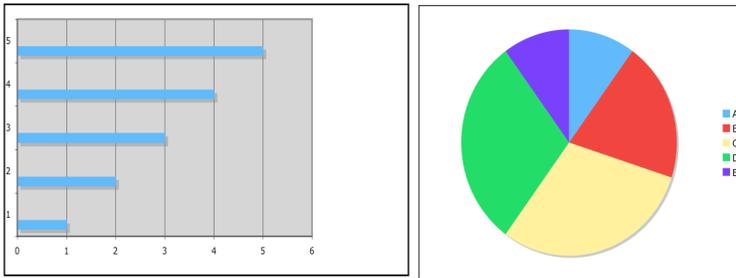
removing common factors from a fraction

Example: 2 is a common factor in the numerator and denominator of  $\frac{4}{6}$  and can be

cancelled.  $\frac{4}{6} = \frac{2 \times 2}{2 \times 3} = \frac{2}{3}$

### 3) **chart / biểu đồ**

a graph with lines or shapes representing numbers



### 4) **common denominator / mẫu số chung**

the bottom number that 2 or more fractions share

Example:  $\frac{2}{5}$  and  $\frac{3}{5}$  have the common denominator 5

### 5) **conversion / chuyển đổi**

changing from one unit of measurement to another, changing from one form of a number to another

Examples: 1 mile = 1.6 kilometers. 7 miles x 1.6 = 11.2 kilometers.

You can convert the fraction  $\frac{3}{2}$  to the mixed number  $1\frac{1}{2}$ .

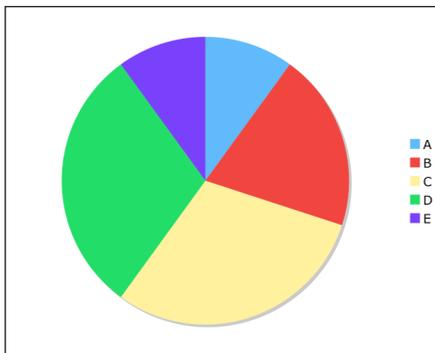
### 6) **decimal / thập phân**

a fraction expressed with a period to show tenths, hundredths etc.

Examples: The decimal .25 is the same as  $\frac{25}{100}$ .

- 7) **denominator / mẫu số**  
the bottom number in a fraction  
Example: In the fraction  $\frac{3}{7}$ , 7 is the denominator.
- 8) **factors / thừa số**  
whole numbers that can be multiplied to equal another number  
Example:  $2 \times 3 = 6$ , so both 2 and 3 are factors of 6.
- 9) **fraction / phân số**  
a part of a whole, shown as one number over another  
Example:  $\frac{3}{4}$  represents 3 parts of the whole 4.
- 10) **How much of / bao nhiêu phần của**  
asking the fraction or percentage of the total  
Example: If I spend 8 hours a day working, how much of the day do I work?  
I spend  $\frac{8}{24}$  or  $\frac{1}{3}$  of my day working.
- 11) **improper fraction / phân số không thực**  
A fraction with a numerator larger than its denominator.  
Example:  $\frac{4}{3}$  is an improper fraction because number on top is larger than the number on the bottom.
- 12) **interest / tiền lãi**  
money that is added to an amount over time  
Example: If you borrow \$10,000 from the bank for a year, you must pay back the principal \$10,000 plus 6% interest for a total of \$10,600.00.
- 13) **lowest common denominator (LCD) / mẫu số chung thấp nhất**  
The lowest common multiple of the denominators of 2 or more fractions  
Example: If you add  $\frac{1}{3} + \frac{1}{4}$  you need to convert fractions to a common denominator of 12.  
$$\frac{1}{3} = \frac{4}{12} \text{ and } \frac{1}{4} = \frac{3}{12} \text{ so } \frac{4}{12} + \frac{3}{12} = \frac{7}{12}$$
- 14) **mean / trung bình**  
the average of a set of numbers.  
Example: The mean of the set (4, 5, 6) is 5, because the sum of 15 divided by 3 is 5.
- 15) **median / số trung bình**  
the middle number in a series of numbers, smallest to largest  
Examples: In the set (3, 5, 6, 8, 10) the median is 6 because there are 5 numbers in the set and six is the middle number.  
In the set (2, 4, 6, 8) the median is 5. Because there is no middle number, the median is the average of the 2 numbers closest to the middle.
- 16) **mixed number / số hỗn tạp**  
a fraction that is greater than 1  
Example:  $1\frac{1}{2}$  is a mixed number.

- 17) **mode / số thường có nhiều nhất trong một tập hợp**  
 the number that appears the most often in a set of numbers  
 Example: In the set (1, 3, 3, 3, 5, 7, 7, 9), 3 is the mode because it appears more than any other number.
- 18) **numerator / ước số**  
 the top number in a fraction  
 Example: In  $\frac{3}{4}$  the numerator is 3.
- 19) **percent / phần trăm**  
 a fraction expressed as parts of 100  
 Example:  $\frac{3}{4}$  is the same  $\frac{75}{100}$  or 75%.
- 20) **pie chart / giản đồ tròn**  
 a circular chart divided into triangular areas proportional to the percentages of the whole



- 21) **prime number / số nguyên tố**  
 a number whose only 2 factors are 1 and itself  
 Example: 1, 2, 3, 5, 7 and 11 are all prime numbers.
- 22) **principal / tiền vốn**  
 the total loan amount  
 Example: If you borrow \$10,000 to buy a car, the principal is \$10,000. You will have to pay back the principal plus interest.
- 23) **proper fraction / phân số thực**  
 a fraction with a numerator smaller than its denominator  
 Example:  $\frac{3}{4}$  is a proper fraction because the top number is smaller than the bottom number.
- 24) **proportion / tỷ lệ**  
 when two ratios are equal  
 Example:  $10:20 = 1:2$ . This is a proportion because the two ratios are equal.
- 25) **rate / mức độ**  
 the interest on a loan as a percentage.  
 Example: You will have to pay 6% interest on the loan. So for \$10,000 the interest is \$600 for a year.

26) **ratio / tỷ lệ**

the relationship between numbers expressed as a fraction, or a number divided by another

Example: The number 10 is  $\frac{1}{2}$  of 20 or  $\frac{10}{20}$ .

27) **reduce / rút gọn, đơn giản hóa**

change a fraction to express the lowest denominator

Example:  $\frac{2}{4}$  can be reduced to  $\frac{1}{2}$ .

28) **simple interest / tiền lời đơn giản**

principal x rate x time

Example: If you borrow \$10,000 at 6% for a year, you will pay back  $10,000 \times .06 \times 1$  year for a total of \$600 simple interest.

29) **unit of measurement / đơn vị đo lường**

how items are measured

Example: Miles and kilometers are both units of measurement.

30) **what fraction of / bao nhiêu phần của, tỷ lệ của**

what part of something when divided

Example: If there are 10 students in class and 4 of them are women, what fraction of the class are women? The answer is  $\frac{4}{10}$  or  $\frac{2}{5}$ .