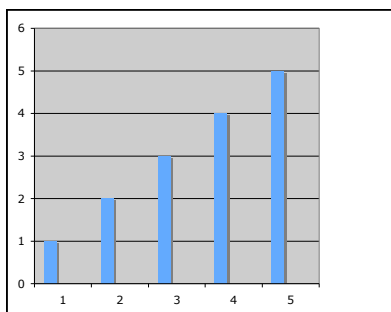# Fractions Glossary -Arabic
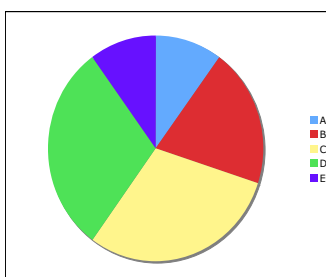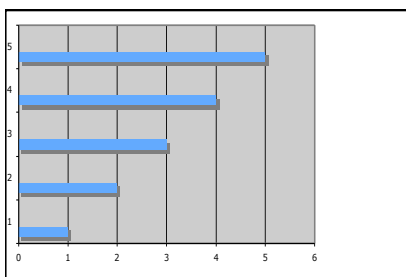## مسرد الكسور

1) **bar graph / مخطط أعمدة، رسم بياني بالأعمدة**
   a chart with bars where the lengths of each bar represents an amount

2) **canceling / اختزال**
   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 / مخطط أو جدول بياني**
   a graph with lines or shapes representing numbers

4) **common denominator / المقام المشترك**
   the bottom number that 2 or more fractions share
   Example: $\frac{2}{5}$ and $\frac{3}{5}$ have the common denominator 5

5) **conversion / التحويل**
   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 / كسر عشري**
   a fraction expressed with a period to show tenths, hundredths etc.
   Examples: The decimal .25 is the same as $\frac{25}{100}$.

7) **denominator / مقام الكسر**
the bottom number in a fraction
Example: In the fraction $\frac{3}{7}$, 7 is the denominator.

8) **factors / العوامل**
whole numbers that can be multiplied to equal another number
Example: 2 x 3 = 6, so both 2 and 3 are factors of 6.

9) **fraction / الكسر**
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 / ؟...كم من**
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 / كسر غير حقيقي**
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 / الفائدة**
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) / المقام المشترك الأصغر**
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.
$\frac{1}{3} = \frac{4}{12}$ and $\frac{1}{4} = \frac{3}{12}$ so $\frac{4}{12} + \frac{3}{12} = \frac{7}{12}$

14) **mean / المتوسط**
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 / العدد الأوسط**
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 / العدد الكسري**
a fraction that is greater than 1

Example: $1\frac{1}{2}$ is a mixed number.

17) **mode / المنوال**
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.
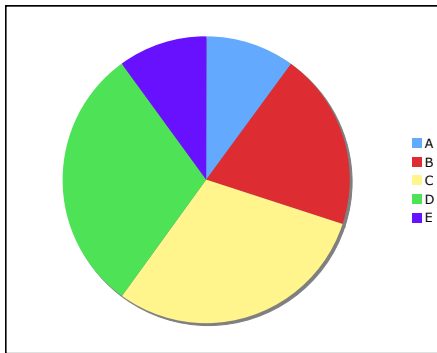
18) **numerator / البسط**
the top number in a fraction
Example: In $\frac{3}{4}$ the numerator is 3.

19) **pie chart / مخطط دائري، رسم بياني دائري**
a circular chart divided into triangular areas proportional to the percentages of the whole

20) **percent / في المئة**
a fraction expressed as parts of 100
Example: $\frac{3}{4}$ is the same $\frac{75}{100}$ or 75%.

21) **prime number / عدد أولي**
a number whose only 2 factors are 1 and itself
Example: 1, 2, 3, 5, 7 and 11 are all prime numbers.

22) **principal / أصل الدين أو القرض**
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 / كسر حقيقي**
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 / تناسب**
when two ratios are equal
Example: 10:20 = 1:2. This is a proportion because the two ratios are equal.

25) **rate / معدل، سعر، سعر الفائدة**

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 / نسبة**

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 / تبسيط الكسور**

change a fraction to express the lowest denominator
Example: $\frac{2}{4}$ can be reduced to $\frac{1}{2}$.

28) **simple interest / الفائدة البسيطة**

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

29) **unit of measurement / وحدة قياس**

how items are measured
Example: Miles and kilometers are both units of measurement.

30) **what fraction of / ما هي نسبة... كقيمة كسرية؟**

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 $\frac{2}{5}$.