



OF APPROXIMATE

ABSTRACT

Optimum is similar to approximation. Optimum tends to accuracy. Calculus is a branch of mathematics. In calculus it is assumed that limit tends to zero, limit tends to infinity, limit tends to 2, etc. The optimum value is obtained from trial and error method the best method in any scientific investigation for its thoroughness. As such it is superior to approximation.

KEYWORDS: Approximate, approx., near, close, next, rough, like, resemble, more or less

Approximate is not exact, but almost so. It is to bring near to something. It is be almost the same. Approximate implies close together. It is nearest or next. It is approaching correctness. It is very approximate i.e. very nearly exact. It is but by some used to mean very rough. It is to come or be near to approach.

Approximate is near in position. It is much like. It is resembling. It is more or less correct or exact. It is to approach or be almost the same as e.g. this painting approximates reality. It is to make approach to something.

Approximate is fairly correct or accurate but not completely so e.g. an approximate price/figure/amount. It is near to the actual e.g. the approximate time of arrival; an approximate guess. It is near or next e.g. your approximate neighbor. It is to bring or come near especially in quality, number, etc., but not exactly e.g. approximates the amount required; an approximate uniformity; an approximate idea of the truth; the approximate area of the garden.

Approximate is being nearly, or more or less, as specified e.g. an approximate right angle. It is nearly exact. It is very similar e.g. an

approximate situation. It is to come near to in quantity, quality, or condition. It is to estimate roughly. It is to simulate more or less accurately. It is to imitate closely.

Approximate to something is to be similar to something in nature, quality, amount, etc. but not exactly the same. It is to estimate or calculate something fairly accurately e.g. an attempt to approximate population growth.

Approximation is an approach. It is imprecise account, calculation, etc. It is the act or state of approximating, or coming close.

Approximation is a fairly close estimate of a number or an amount. It is a thing that is similar to something but is not exactly the same e.g. a reasonably good approximation of the original style; an approximation of a smile; an approximation to the truth; a close approximation to the idea.

Approximation is a guess or estimate. It is nearness in space, position, degree, or relation. In mathematics and physics it is a result that is not necessarily exact, but is within the limits of accuracy required for a particular purpose.

Approximal is close together. It is next to.

Approximative is approaching closely.

Approx. is the abbreviation of approximate and approximately e.g. a deposit of approx. \$50; airport-hotel transfer time approx. 40 minutes.

Approximately means nearly. Very approximately is as only a rough approximation.

Approximate is omnipresent. It rules the whole world with its very immense presence. Man experiences it from cradle to grave in its various forms and features having different degrees and dimensions as well.

The approximate time is 10 o'clock. What is the approximate size of this room? We approximated the distance as three miles. The motions of the stars can be approximated in a planetarium. Your story approximates to the facts we already know. They had nothing even approximating the times I was looking for. His account approximated to the truth, though one or two details were missing. It cost approximately \$200 – I can't remember the exact figure. How much does he earn? \$20,000 a year, approximately. 2000 students each year would be an approximation of the expected number.

Madhusudan approximates Milton in the grandeur of his verse.

Approximate means roughly. This rough estimation manifests the exact inadequacy of knowledge of human being. It points out the limitation of knowledge. It is nearer to exact but many times it is far from exact. A lay man has casual knowledge. So his approximate value differs from the value of a wise.

Exactness cannot be ascertained due to various controlling factors. The paradox is that these controlling factors are quite uncontrollable and sometimes beyond control even leaving human being quite perplexed and undone as well. So man should not be boast of his knowledge thereby expertise in any field. Approximation points out his limitation. It highlights that he is handicapped in knowledge.

Everywhere exact knowledge is not required. To calculate the exact value high talent and much labour are required. As such lay man avoids this complicated accounts and surrenders to approximation. In reality, to overcome crisis man moves with surplus amount.

In any gathering consumption of food by the guests cannot be ascertained accurately. Some guests drink wine. Now over alcoholic influence some of them take less and some guests take so much food that they break all approximation, estimation and statistics as well. Thus the mood and motive of such guests are gloriously so uncertain. In case of scarcity of food the host faces embarrassing situation and is ill-famed. So the host arranges food not below approximation rather over approximation. Due to over approximation food may be surplus and waste accordingly. The host takes this risk to save his status. Otherwise his total expenditure will be frustrated and he will be badly criticized thereby sadly hurt. None will plead for his so much expenditure. Rather, everybody will pass remark for little expenditure which he failed to calculate.

A miser arranges for less food. He cares not for ill-fame. A judicious host never hesitates to spend a little more. He intends not to be generous but a little lavish. This excess

expenditure caused by lavishness saves him from shame and awkward situation as well.

In fact, no finance is better than under finance. Under finance means total wastage of investment. Then the project will offer no return. The money lending agency will count for interest from the date of giving loan.

Due to fluctuation of price expenditure fluctuates. In any project there are incidental charges due to unforeseen or unprecedented or unexpected problem. Further, incidents like earthquake, flood, draught, tsunami, thunder storm, communal riot, civil war, political unrest, war, etc. render the situation complicated more. Thus, always correct assumption is not possible. It is confessed by all. So approximation rules everywhere.

Exactness has immense value in practical life. In the reservation ticket counter of any busy railway station the instruction shows, "Please tender exact amount". This exact amount of fare saves time and chaos during rush hour.

In case of serious matter exact knowledge is a must. In precision job exact knowledge is highly required. In some works highly skilled laborers are valued much. In case of medicine exact dose is required for early relief and recovery. In all these events approximation has no room at all.

Optimum is similar to approximation. Optimum tends to accuracy. The optimum value is obtained from trial and error method the best method in any scientific investigation for its thoroughness. As such it is superior to approximation.

Calculus is a branch of mathematics. In calculus it is assumed that limit tends to zero, limit tends to infinity, limit tends to 2, etc. Every time limit tends or tries to attain the absolute value but can never attain it. Similarly, man wants to be happy. Everybody tries to achieve happiness. Someone achieves happiness. Then he is happy. Someone achieves not. Then he is called unhappy. But two happy persons are not equally happy. Similarly, two unhappy persons are not equally unhappy. A student secures 60%. Another student secures 61%. Both are awarded first division. But both are not same. Thus, both

happy and unhappy are not equal and at par. There are gradations as per their approximate respective values. These values are qualitative in nature and can be defined by fussy logic of mathematics.

CONCLUSION

Both wise and lay man use approximation as a tool. So a lay man cannot be blamed for lacking in knowledge. Sometimes exact is possible. In

most of the events it is not. Here lies the triumph of approximation. Here lies the uniqueness of approximation rather than unique approximation.

REFERENCES

No reference, since the present article is an outcome of Creative Writing