# If the linear momentum measures 50 %then K. E will increase?

A. 50%
B. 125%
C. 100%
D. 25%

Submitted by: **Ali**

Show Answer…
**Correct Answer: 125%**

## If the linear momentum measures 50 %then K. E will increase by 125%

Percentage increase in K.E,
(E)=[E2−E1/E1]×100=[E2/E1−1]×100
But $E \alpha p^2 \Rightarrow E2/E1=p^2 2/p^2 1$
 *% increase in K.E. =[$p^2 2/p^2 1-1$]×100*
**Let p1=100, then**
**p2=100+50=150% increase in**
K.E.=[$(150)^2/(100)^2-1$]×100=[225/100−1]×100 **=125%**
Therefore, the percentage increase in its kinetic energy is 125%

---

## Physics MCQs

---

Physics MCQs by CSSMCQs

# MCQs of Physics by CSS MCQs

Here, you will find all Physics subject MCQs with their Answers. These Chapter Wise Physics MCQs would help you in entry test preparation For FPSC, PPSC, KPPSC, SPSC, NTS, PTS, OTS, CTS, MDCAT, ECAT, ETEA, NUMS and all other entry tests preparation.

These Physics MCQs will help you get better marks in every kind of job or university admission test. Our focus will be on the fundamental level of the Physics course. However, advanced level Physics MCQs will also be shared with their correct answers.

Furthermore, You can also **Submit Physics MCQs.** And If, you are willing to take **Online Quiz**, Click **HERE**

---

If the linear momentum measures 50% then K. E will increase?