

MATHEMATICS - IX

INTEREST

Q.1- Calculate the amount & the CI on ₹ 8000 in 3 years @ 10% per year.

Q.2- Find the different between on SI & CI on ₹4000 @ 8% annum for 2 years.

Rational Number

Q.3- Arrange $-5/9$, $7/12$, $-2/3$ and $11/18$ in the ascending order.

Q.4- Find 5 rational number between 3 & 4 .

Expansion

Q.5- Find the square of :

I. $2a+b$

II. $3a-4b$

Q.6- If $a+b=7$ and $ab=10$; find $a-b$.

Q.7- If $a+b=6$ & $a-b=4$; find a^2+b^2 .

Q.8- Expand:

I. $(a+b+2c)^2$

II. $(a-b-c)^2$

Q.9- Expand:

I. $(x+8)(x-10)$

Q.10- Use identities to evaluate :

a). $(101)^2$

b). $(97)^2$