

1. Use Random Function **((RANDOM))** to get Single Digit

Answer 1) `echo $((RANDOM%10))`

2. Use Random to get Dice Number between 1 to 6

Ans 2) `echo $(((RANDOM % 6) + 1))`

3. Add two Random Dice Number and Print the Result

Ans 3)
`a=$((RANDOM % 6))`
`b=$((RANDOM % 6))`
`let c=$a+$b`
`echo "sum of two random dice number $a and $b is $c"`

4. Write a program that reads 5 Random 2 Digit values , then find their sum and the average

Ans 4)
`a=$((RANDOM % 99))`
`b=$((RANDOM % 99))`
`c=$((RANDOM % 99))`
`d=$((RANDOM % 99))`
`e=$((RANDOM % 99))`

`echo " five random 2 digit values : " $a $b $c $d $e`
`let sum=$a+$b+$c+$d+$e`
`echo "THEIR SUM IS $sum"`
`let ave=sum/5`
`echo "THEIR AVERAGE IS $ave"`

5. Unit Conversion

- a. 1ft = 12 in then 42 in = ? ft
- b. Rectangular Plot of 60 feet x 40 feet in meters
- c. Calculate area of 25 such plots in acres

Answer a) `echo | awk '{m = 42/12}END{print m, "ft"}'`

Output= 3.5 ft

Answer b) `echo | awk '{a = 60*40}END{print a/3.208, "meter"}'`

Output=748.13 meter

Answer c) `echo | awk '{a = (60*40)*25}END{print a/43560, "acre"}'`

Output = 1.37741 acre