

Mathematical Activity

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Topic: Find the factorial of a number

This purpose of this activity is to learn and to find the factorial of a number. The factorial of a number is obtained by multiplying the number with one less than that number and repeatedly multiplying the result till 1.

For example

The factorial of 5 will be $5 \times 4 \times 3 \times 2 \times 1$.

Grade of activity

All students who will successfully find the factorial using multiplying and by using calculator will be graded with A level.

Learning objective

- what is factorial
- How to find factorial
- How to find factorial manually
- How to find the factorial using Casio calculator very easily.

Practice

You will be provided with a number. For example: 6. You have to find the factorial. You can find factorial manually by multiplying

$$6 \times 5 = 30$$

$$30 \times 4 = 120$$

$$120 \times 3 = 360$$

$$360 \times 2 = 720$$

$$720 \times 1 = 720$$

Hence factorial of 6 is 720

By Using Casio calculator, factorial can be found very easily.

- Turn on the Calculator by pressing the On button.
- to find the factorial of any number. Type the number in the calculator by pressing each number one by one. e.g. to write 135, press 1 then 3 then 5.
- After inputting the number, press a button containing the factorial sign (!)
- Press = button to get the answer.
- The factorial will be displayed on the screen
- Repeat the same steps for other number
- After completing the activity, turn off the calculator by pressing the Off button.

End of activity.