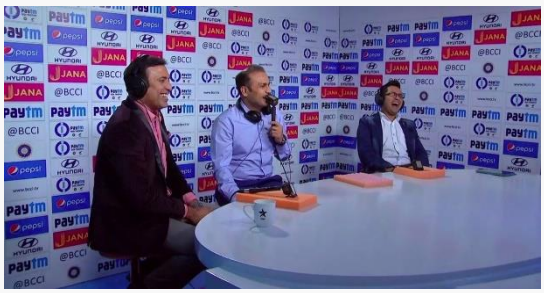
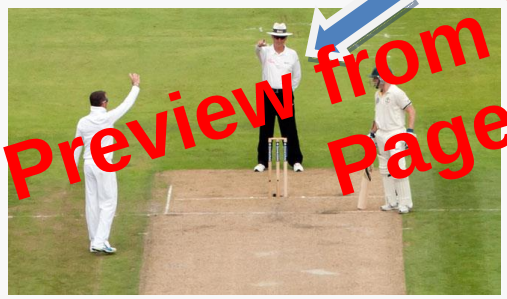
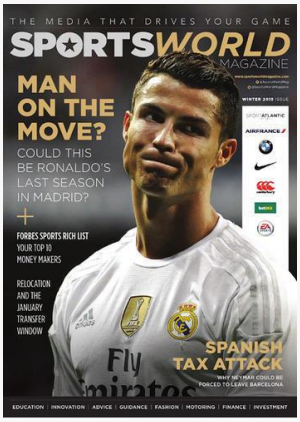
HOME TASK - 1

Identify and write the name of profession mentioned in the given image.



SPORTS

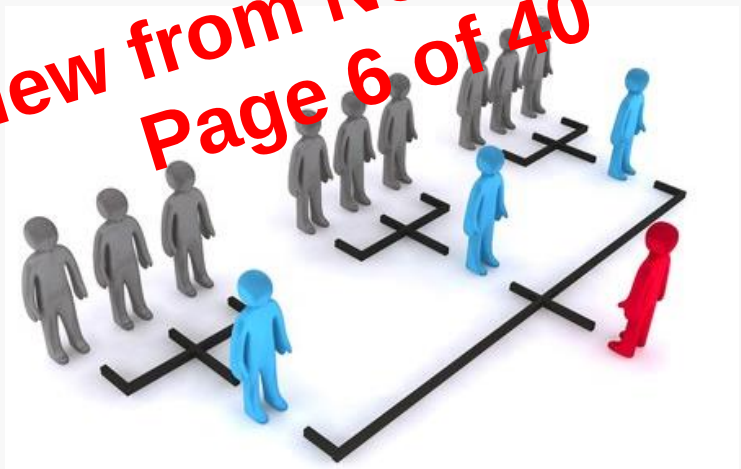




- **Reduces Costs**

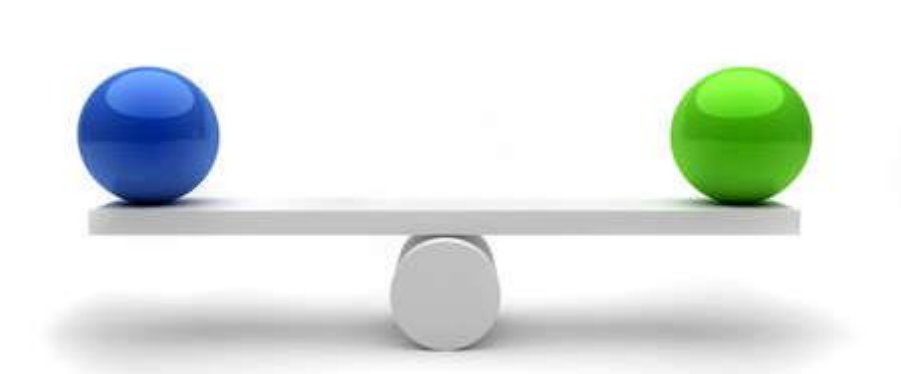
It gets maximum results through minimum input by proper planning. Management uses physical, human and financial resources in a manner that results in the best combination. This helps in cost reduction.

- **Establishes Sound Organization**



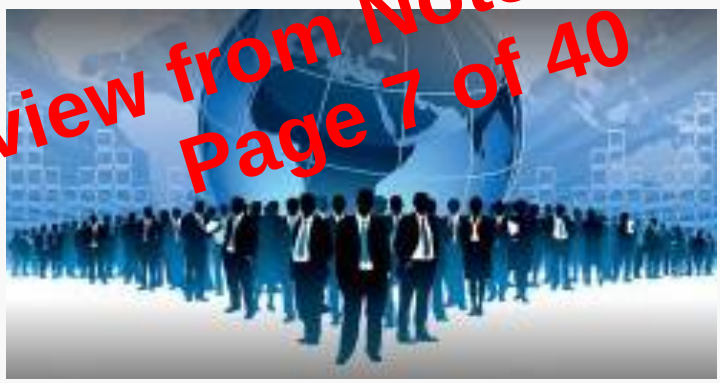
No overlapping of efforts (smooth and coordinated functions). Establishing sound organizational structure is one of the objectives of management, which is in tune with the objective of organization. For fulfillment of this, it establishes effective authority & relationships i.e., who is accountable to whom, who can give instructions to whom, who are superiors & who are subordinates.

- **Establishes Equilibrium**



It enables the organization to survive in changing environment. With the change in external environment, the initial co-ordination of organisation must be changed. So it adapts organization to changing demand of market/changing needs of societies. It is responsible for growth and survival of organisation.

- **Essential for Prosperity of Society**



Efficient management leads to better economical production, which in turn helps increase the welfare of people. Good management makes a difficult task easier by avoiding wastage of scarce resource.

Formula No. (1) The total numbers of matches = N – 1

Formula No. (2) Division of teams in Upper and Lower Half

In case of Even number of teams participating: (e.g. 4,6,8,10….) then

$$\text{Total number of Teams in Upper Half} = \frac{N}{2}$$

$$\text{Total number of Teams in Lower Half} = \frac{N}{2}$$

In case of Odd number of teams participating: (e.g. 5,7,9,11….) then

$$\text{Total number of Teams in Upper Half} = \frac{N + 1}{2}$$

$$\text{Total number of Teams in Lower Half} = \frac{N - 1}{2}$$

Formula No. (3) The total numbers of Byes = 2^n - N

Note: If the "total number of teams" are in the power of 2, such as 2, 4, 8, 16, 32, 64 etc. In this case no need to calculate bye.

But if the "total number of teams" are not in the power of 2, such as 3, 5, 6, 7, 9, 10, 11, 12 etc. Then, we will use bye system. Total teams should be close to the value of the "power of 2".

Total number of Rounds will be the power of 2 (e.g. 2^4, then total rounds will be 4).

Formula No. (4) Division of Byes in Upper and Lower Half

In case of Even number of total byes: (e.g. 4,6,8,10….) then

$$\text{Total number of Byes in Upper Half} = \frac{\text{Byes}}{2}$$

$$\text{Total number of Byes in Lower Half} = \frac{\text{Byes}}{2}$$

In case of Odd number of total byes: (e.g. 5,7,9,11….) then

$$\text{Total number of Byes in Upper Half} = \frac{\text{Byes} - 1}{2}$$

$$\text{Total number of Byes in Lower Half} = \frac{\text{Byes} + 1}{2}$$

Note: Placement of Byes

1st Bye	will be given to the last team of lower half
2nd Bye	will be given to the first team of upper half
3rd Bye	will be given to the first team of lower half
4th Bye	will be given to the last team of upper half
5th Bye	beside bye number 1
6th Bye	beside bye number 2
7th Bye	beside bye number 3
8th Bye	beside bye number 4
9th Bye	beside bye number 5 and so on.

Calculation No. (3) Draw the fixture of 19 teams.

N = 19

Step (1) The total numbers of matches = N – 1

$$= 19 - 1 = 18$$

Step (2) The total numbers of Teams in Upper and Lower Half (Odd Number of total teams)

$$\text{Total number of Teams in Upper Half} = \frac{N + 1}{2} = \frac{19 + 1}{2} = \frac{20}{2} = 10$$

$$\text{Total number of Teams in Lower Half} = \frac{N - 1}{2} = \frac{19 - 1}{2} = \frac{18}{2} = 9$$

Step (3) Total teams are not in the power of 2 **(N=19).** In this case we need to calculate bye.

The total numbers of Byes = 2^n – N (Note: Total teams should be close to the value of the "power of 2".)

$$= 2^5 - 19 = 32 - 19 = 13$$

Step (4) Total number of rounds are 5 because five is the power of 2.

Final Note:

Every leader has an urge to lead, inspire, and contribute to the greater good. And this is why you need the right leadership qualities to guide you. No one can own all these leadership qualities.

It is a consistent effort and self-belief that paves the path. Leaders should, therefore, be mindful and exercise these leadership skills for sustainable growth.

Home Task - 7

Explore and enlist specific leadership qualities requires in the following categories:

- Parents:
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- Teachers:
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- Army Officers
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- Class Monitor:
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- School Sports Captain:
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