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Worksheet: Math Essentials

1. What is the LCM and HCF of two numbers?
2. An aircraft took off from Chennai to America on Monday at 8:15 and reached America on Tuesday at 17:10, how much time did the aircraft take to reach America from Chennai?
3. What is the difference between mean, median, and mode?
4. What are the surface area and volume formulas for common 3D shapes?
5. Davis buys a newspaper worth Rs 1.50 per day. How much will he have to pay for January and February 2021?
6. A rectangular garden is 240 m long and 120 m wide. How many poles will be needed to draw a wire around it if the distance between each pole is 20 m?
7. When 33 is divided by which number the quotient will be 55?
8. A fruit seller bought mangoes at the rate of 2 mangoes for ₹ 10 and sold them at the rate of 3 mangoes for ₹ 18, what will be his percentage profit or loss?
9. What is the factorial of 100?
10. How to find the area of a triangle?
11. A person sold his bicycle at a loss of 20% for ₹ 640, what was the purchase price of that bicycle?
12. How to solve a quadratic equation?
13. How to convert fractions to decimals?
14. $9^2 \div 9 \times 9 + 9 = ?$
15. What is the sum of all prime numbers between 50 and 90?
16. What will be the difference between LCM and HCF of 30, 36 and 90?
17. What is the percentage value of 1.02?
18. What is 0 divided by 0?