



MATHS

PLAYING WITH NUMBERS

All Questions

1. Introduction



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2. Generalized form of numbers



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3. $\overline{ab} + \overline{ba}$ is completely divisible by 11 and the quotient is $a + b$.



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4. $\overline{ab} - \overline{ba}$ is exactly divisible by 9



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5. The sum $\overline{abc} + \overline{bca} + \overline{cab}$ is exactly divisible by $37(a + b + c)$.



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6. $\overline{abc} - \overline{acb}$ is exactly divisible by 9 and the quotient is $b - c$.



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7. Divisibility by 10



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8. Divisibility by 5



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9. Divisibility by 2



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10. Divisibility by 9



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11. Divisibility by 3



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12. Divisibility by 6



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13. Divisibility by 11



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14. Tests of divisibility by 4



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15. Solve the cryptarithm : $\overline{AB} + \overline{BA} = \overline{DAD}$



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16. Find the digits A and B.



$$\overline{BA} \times \overline{B3 = 57A}$$



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