



Ejercicios

Nombre del Alumno: Norma Valeria Rodríguez Galindo

Nombre del tema: Interés compuesto

Parcial: 3 unidad

Nombre de la Materia: Matemáticas financieras

Nombre del profesor: Jorge Sebastián Domínguez

Nombre de la Licenciatura: Administración y estrategia de negocios

Cuatrimestre: 3 cuatrimestre

| Ejercicio 1 | |
|-------------|----------------------|
| Co | \$ 50,000.00 |
| tiempo | 5 |
| interes | 20% |
| Cf | \$ 124,416.00 |

| Ejercicio 2 | |
|-------------|---------------------|
| Co | \$ 10,000.00 |
| tiempo | 10 |
| interes | 15% |
| Cf | \$ 40,455.58 |

| Ejercicio 3 | | | | | |
|-------------|-----------|--------------|--|-------------|------------------------|
| Mensualidad | Restantes | Generado | | Pago | \$ 4,000.00 |
| 1 | 120 | \$ 16,089.88 | | tiempo mes | 120 |
| 2 | 119 | \$ 15,904.33 | | inter anual | 14% |
| 3 | 118 | \$ 15,720.92 | | Inter mens | 1.17% |
| 4 | 117 | \$ 15,539.63 | | Cf | \$ 1,048,365.53 |
| 5 | 116 | \$ 15,360.42 | | | |
| 6 | 115 | \$ 15,183.28 | | | |
| 7 | 114 | \$ 15,008.19 | | | |
| 8 | 113 | \$ 14,835.11 | | | |
| 9 | 112 | \$ 14,664.03 | | | |
| 10 | 111 | \$ 14,494.92 | | | |
| 11 | 110 | \$ 14,327.77 | | | |
| 12 | 109 | \$ 14,162.54 | | | |
| 13 | 108 | \$ 13,999.21 | | | |
| 14 | 107 | \$ 13,837.77 | | | |
| 15 | 106 | \$ 13,678.19 | | | |
| 16 | 105 | \$ 13,520.45 | | | |
| 17 | 104 | \$ 13,364.53 | | | |
| 18 | 103 | \$ 13,210.41 | | | |
| 19 | 102 | \$ 13,058.07 | | | |
| 20 | 101 | \$ 12,907.48 | | | |
| 21 | 100 | \$ 12,758.63 | | | |
| 22 | 99 | \$ 12,611.50 | | | |
| 23 | 98 | \$ 12,466.06 | | | |
| 24 | 97 | \$ 12,322.30 | | | |
| 25 | 96 | \$ 12,180.20 | | | |
| 26 | 95 | \$ 12,039.73 | | | |
| 27 | 94 | \$ 11,900.89 | | | |
| 28 | 93 | \$ 11,763.65 | | | |
| 29 | 92 | \$ 11,627.99 | | | |
| 30 | 91 | \$ 11,493.89 | | | |
| 31 | 90 | \$ 11,361.34 | | | |
| 32 | 89 | \$ 11,230.32 | | | |
| 33 | 88 | \$ 11,100.81 | | | |
| 34 | 87 | \$ 10,972.80 | | | |
| 35 | 86 | \$ 10,846.26 | | | |
| 36 | 85 | \$ 10,721.18 | | | |
| 37 | 84 | \$ 10,597.54 | | | |
| 38 | 83 | \$ 10,475.33 | | | |
| 39 | 82 | \$ 10,354.52 | | | |

| | | |
|----|----|--------------|
| 40 | 81 | \$ 10,235.11 |
| 41 | 80 | \$ 10,117.08 |
| 42 | 79 | \$ 10,000.41 |
| 43 | 78 | \$ 9,885.08 |
| 44 | 77 | \$ 9,771.09 |
| 45 | 76 | \$ 9,658.41 |
| 46 | 75 | \$ 9,547.02 |
| 47 | 74 | \$ 9,436.93 |
| 48 | 73 | \$ 9,328.10 |
| 49 | 72 | \$ 9,220.53 |
| 50 | 71 | \$ 9,114.19 |
| 51 | 70 | \$ 9,009.09 |
| 52 | 69 | \$ 8,905.19 |
| 53 | 68 | \$ 8,802.50 |
| 54 | 67 | \$ 8,700.99 |
| 55 | 66 | \$ 8,600.65 |
| 56 | 65 | \$ 8,501.46 |
| 57 | 64 | \$ 8,403.42 |
| 58 | 63 | \$ 8,306.51 |
| 59 | 62 | \$ 8,210.72 |
| 60 | 61 | \$ 8,116.03 |
| 61 | 60 | \$ 8,022.44 |
| 62 | 59 | \$ 7,929.92 |
| 63 | 58 | \$ 7,838.47 |
| 64 | 57 | \$ 7,748.08 |
| 65 | 56 | \$ 7,658.73 |
| 66 | 55 | \$ 7,570.41 |
| 67 | 54 | \$ 7,483.10 |
| 68 | 53 | \$ 7,396.81 |
| 69 | 52 | \$ 7,311.51 |
| 70 | 51 | \$ 7,227.19 |
| 71 | 50 | \$ 7,143.85 |
| 72 | 49 | \$ 7,061.46 |
| 73 | 48 | \$ 6,980.03 |
| 74 | 47 | \$ 6,899.53 |
| 75 | 46 | \$ 6,819.97 |
| 76 | 45 | \$ 6,741.32 |
| 77 | 44 | \$ 6,663.58 |
| 78 | 43 | \$ 6,586.73 |
| 79 | 42 | \$ 6,510.77 |
| 80 | 41 | \$ 6,435.69 |
| 81 | 40 | \$ 6,361.47 |
| 82 | 39 | \$ 6,288.11 |
| 83 | 38 | \$ 6,215.60 |
| 84 | 37 | \$ 6,143.92 |
| 85 | 36 | \$ 6,073.06 |
| 86 | 35 | \$ 6,003.03 |

| | | |
|-----|----|-------------|
| 87 | 34 | \$ 5,933.80 |
| 88 | 33 | \$ 5,865.37 |
| 89 | 32 | \$ 5,797.73 |
| 90 | 31 | \$ 5,730.87 |
| 91 | 30 | \$ 5,664.78 |
| 92 | 29 | \$ 5,599.46 |
| 93 | 28 | \$ 5,534.88 |
| 94 | 27 | \$ 5,471.05 |
| 95 | 26 | \$ 5,407.96 |
| 96 | 25 | \$ 5,345.59 |
| 97 | 24 | \$ 5,283.95 |
| 98 | 23 | \$ 5,223.01 |
| 99 | 22 | \$ 5,162.78 |
| 100 | 21 | \$ 5,103.24 |
| 101 | 20 | \$ 5,044.39 |
| 102 | 19 | \$ 4,986.22 |
| 103 | 18 | \$ 4,928.72 |
| 104 | 17 | \$ 4,871.88 |
| 105 | 16 | \$ 4,815.70 |
| 106 | 15 | \$ 4,760.16 |
| 107 | 14 | \$ 4,705.27 |
| 108 | 13 | \$ 4,651.00 |
| 109 | 12 | \$ 4,597.37 |
| 110 | 11 | \$ 4,544.35 |
| 111 | 10 | \$ 4,491.94 |
| 112 | 9 | \$ 4,440.14 |
| 113 | 8 | \$ 4,388.94 |
| 114 | 7 | \$ 4,338.32 |
| 115 | 6 | \$ 4,288.29 |
| 116 | 5 | \$ 4,238.84 |
| 117 | 4 | \$ 4,189.96 |
| 118 | 3 | \$ 4,141.64 |
| 119 | 2 | \$ 4,093.88 |
| 120 | 1 | \$ 4,046.67 |

Ejercicio 4

| Mensualidad | Restante | Generado | Pago | \$ 20,000.00 |
|-------------|----------|---------------|-----------------|----------------------|
| 1 | 10 | \$ 104,676.71 | tiempo | 10 |
| 2 | 9 | \$ 88,709.08 | interes | 18% |
| 3 | 8 | \$ 75,177.18 | CF | \$ 555,102.88 |
| 4 | 7 | \$ 63,709.48 | Ganancia | \$ 355,102.88 |
| 5 | 6 | \$ 53,991.08 | | |
| 6 | 5 | \$ 45,755.16 | | |
| 7 | 4 | \$ 38,775.56 | | |
| 8 | 3 | \$ 32,860.64 | | |
| 9 | 2 | \$ 27,848.00 | | |
| 10 | 1 | \$ 23,600.00 | | |