COLÉGIO CRESCER	**Nome:** ______________________________ **n°** ____ **Turma 9A**
	Prof. Adilson D. Terezan **Data: 31/08/2021**
Ensino Fundamental I e II	**Juros Compostos – 3°Bimestre**

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Correção-Aula 13

7) C = 18000

J = 10043,40

M = J+C = 18000+10043,40 = 28043,40

t = 15 meses

i = ?

$M = c.(1+i)^t$

$28043,40 = 18000(1+i)^{15}$

$\frac{28043,40}{18000} = (1+i)^{15}$

$1,55 = (1+i)^{15}$

$\sqrt[15]{1,55} = 1+i$

$1,03 = 1+i$

$1,03 - 1 = i$

0,03 = i = 3% (a)

8) C = 20000

M = ?

t = 8 trim.3 = 24 meses

i =3%a.m = 0,03

$M = c.(1+i)^t$

$M = 20000.(1+0,03)^{24}$

$M = 20000.(1,03)^{24}$

$M = 20000.2,03$

M = R$40600,00 (e)

9) C = 15000

M = 19050

J = M-C = 4050

i = 3%bim : 2 = 1.5%a.m

t = ?

J = c.i.t

4050 = 15000.1,5/100.t

4050 = 15000.0,015.t

4050 = 225.t

$\frac{4050}{225}$ = **t = 18 meses (d)**

10) C = 10500

M = 11725

J = M-C = 1225

I = 42%a.a : 360.100 = 42/36000 a.dia

J = c.i.t

$1225 = \frac{10500.42}{36000}.t$

$1225 = \frac{441000}{36000}.t$

1225 = 12,25.t

$\frac{1225}{12,25} = t$

100 dias = t = 3m e 10 dias (c)