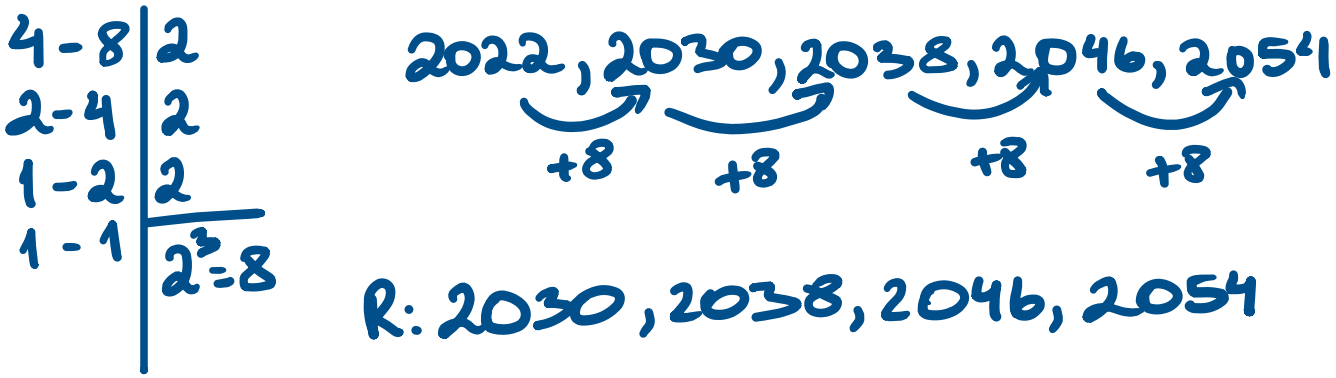
R000) RESPOSTAS

R001)

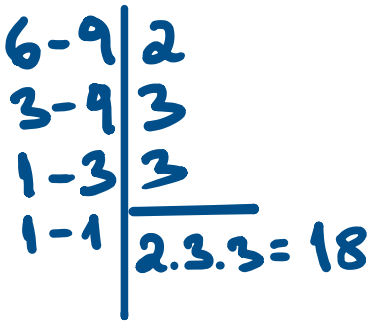


R002) a) $M(6) = \{0, 6, 12, 18, 24, 30, 36, \dots\}$

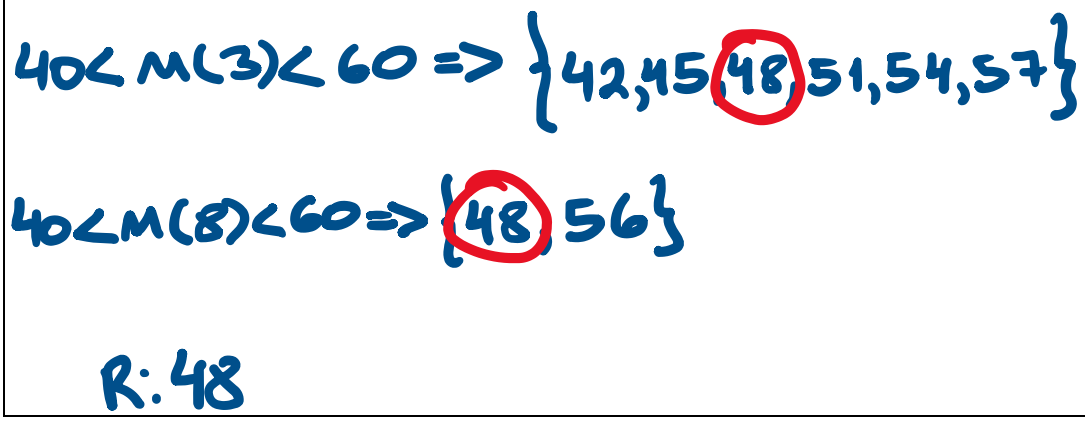
R002) b) $M(9) = \{0, 9, 18, 27, 36, \dots\}$

R002) c) $M(6\ e\ 9) = \{0, 18, 36, \dots\}$

R002) d) 18



R003)



R004) a)

B= { 3,6,9,12,15,18,21,24,27,30,33}

O= { 5,10,15,20,25,30}

P = {4,8,12,16,20,24,28}

R: 2

R004) b)

B= { 3,6,9,12,15,18,21,24,27,30,33}

O= { 5,10,15,20,25,30}

P = {4,8,12,16,20,24,28}

R: 2

R004) c)

B= { 3,6,9,12,15,18,21,24,27,30,33}

O= { 5,10,15,20,25,30}

P = {4,8,12,16,20,24,28}

R: 1 //

O e P

R004) d)

B= { 3,6,9,12,15,18,21,24,27,30,33}

O= { 5,10,15,20,25,30}

P = {4,8,12,16,20,24,28}

R: O //

R005)

$J = \{4, 8, 12, 16, \underline{20}, 24, 28, 32, \ldots\}$

$M = \{5, 10, 15, \underline{20}, 25, 30, 35, \ldots\}$

R: 20 min.

R006) a)

$a = \underline{2}^3 . 3^2$

$b = 2^2 . \underline{5}$

$c = 2 . 3^3$

$mmc(a,b) = 2^3 . 5$

$= 8 . 5$

$= 40$

R006) b)

$a = \underline{2}^3 . 3^2$

$b = 2^2 . 5$

$c = 2 . \underline{3}^3$

$mmc(a,c) = 2^3 . 3^3$

$= 8 . 27$

$= 216$

R006) c)

$a = 2^3 . 3^2$

$b = \underline{2}^2 . \underline{5}$

$c = 2 . \underline{3}^3$

$mmc(b,c) = 2^2 . 3^2$

$= 4 . 9$

$= 36$

R006) d)

$a = \underline{2}^3 . 3^2$

$b = 2^2 . \underline{5}$

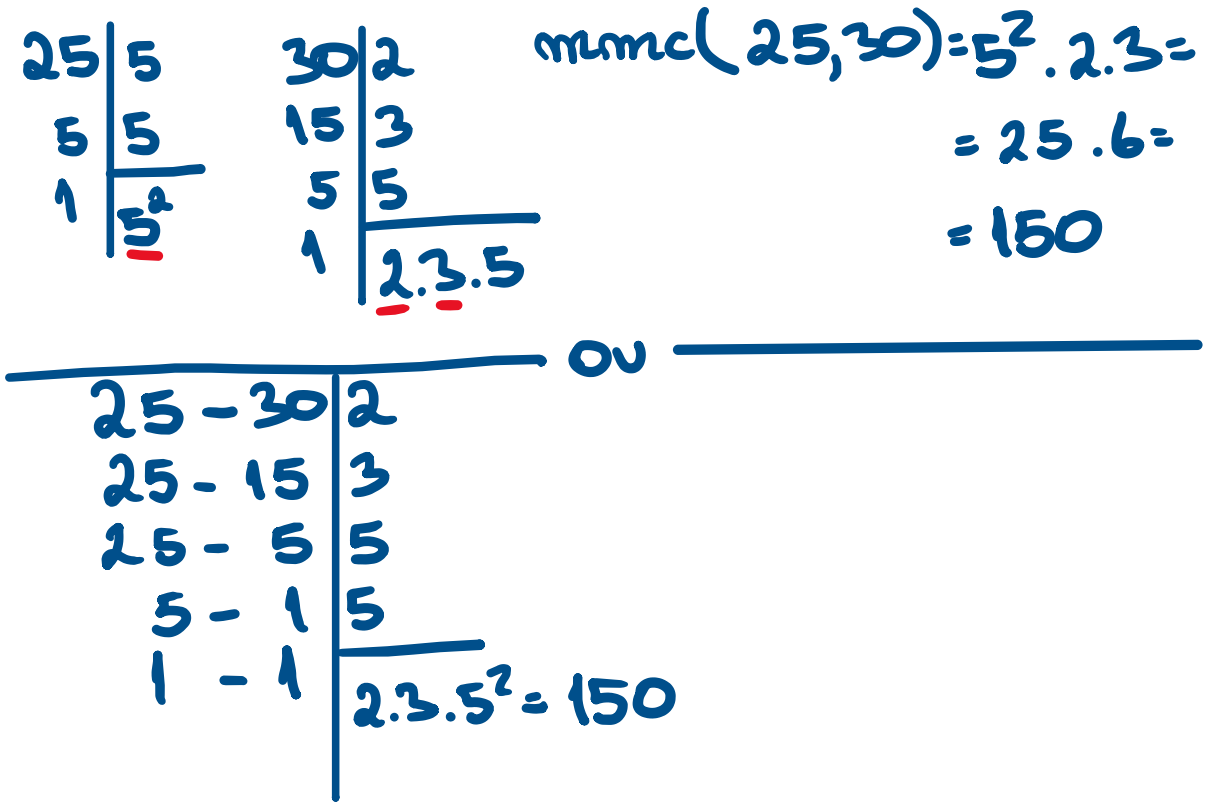
$c = 2 . \underline{3}^3$

$mmc(a,b,c) = 2^3 . 3^3 . 5$

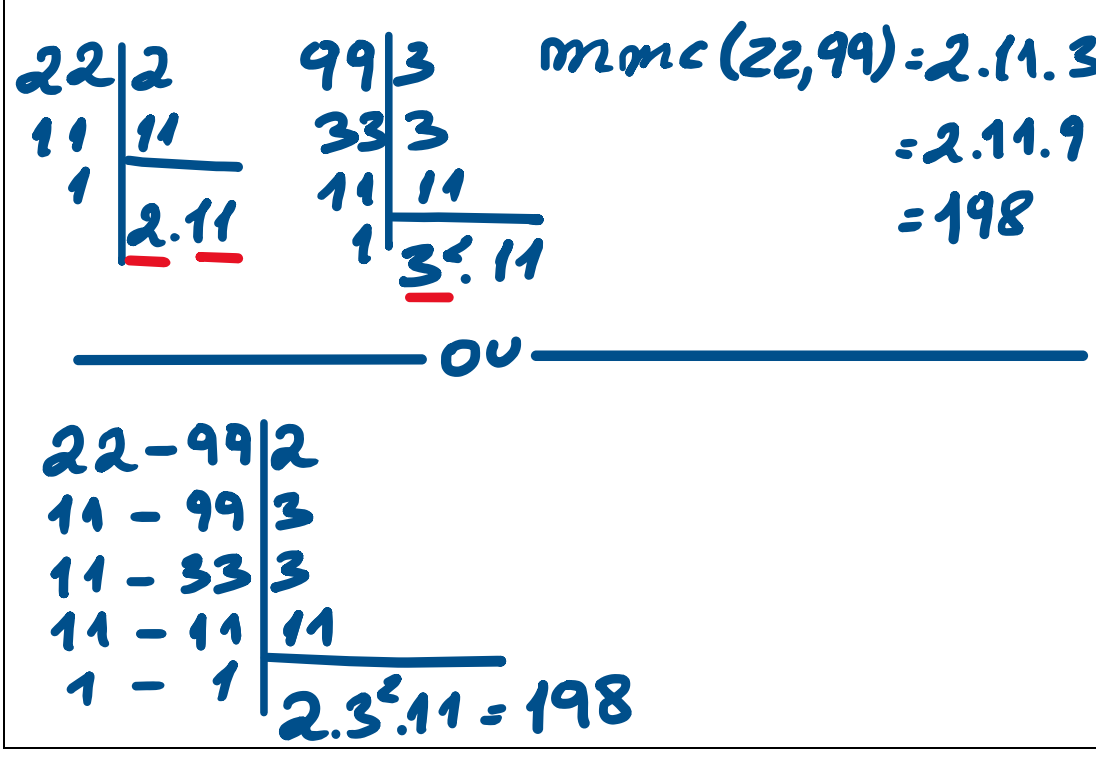
$= 8 . 27 . 5$

$= 1080$

R007) a)


25 | 5
5 | 5
1 | 5²
30 | 2
15 | 3
5 | 5
1 | 2.3.5
mmc(25,30)=5².2.3=
=25.6=
=150
OU
25-30 | 2
25-15 | 3
25-5 | 5
5-1 | 5
1-1 | 2.3.5²=150

R007) b)


22 | 2
11 | 11
1 | 2.11
99 | 3
33 | 3
11 | 11
1 | 3².11
mmc(22,99)=2.11.3²
=2.11.9
=198
OU
22-99 | 2
11-99 | 3
11-33 | 3
11-11 | 11
1-1 | 2.3².11=198

R007) c)

36	2
18	2
9	3
3	3
1	$2^2 \cdot 3^2$

48	2
24	2
12	2
6	2
3	3
1	$2^4 \cdot 3$

$mmc(36,48) = 3^2 \cdot 2^4$

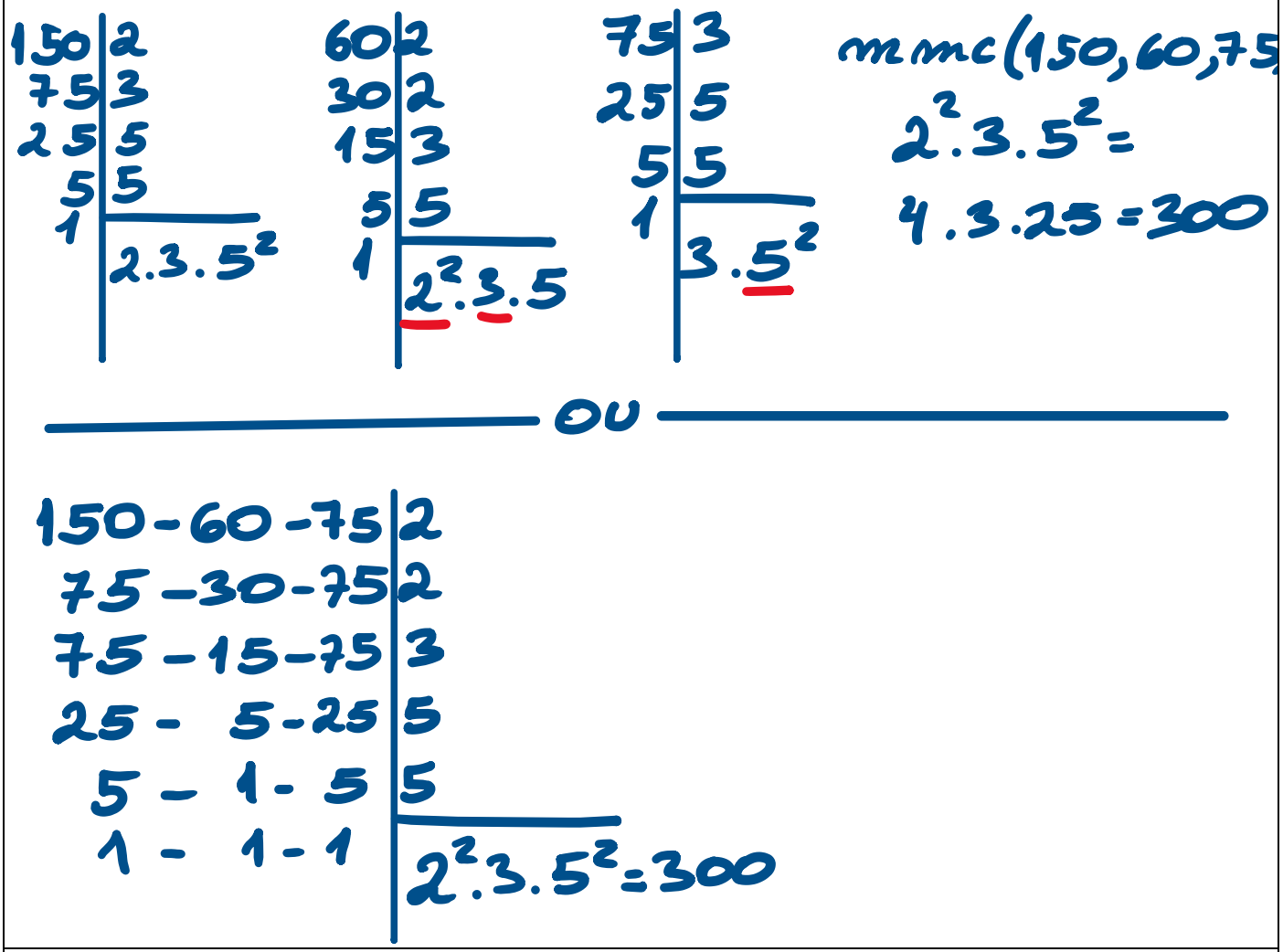
$= 9 \cdot 16$

$= 144$

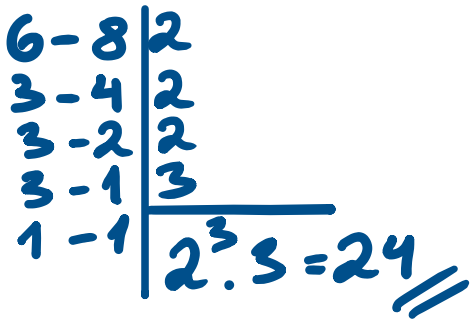
ou

36 - 48	2
18 - 24	2
9 - 12	2
9 - 6	2
9 - 3	3
3 - 1	3
1 - 1	$2^4 \cdot 3^2 = 144$

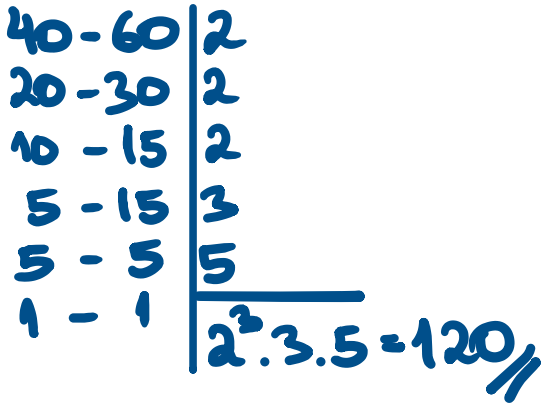
R007) d)



R008)



R010) a)



R010) b)

45-120	2
45-60	2
45-30	2
45-15	3
15-5	3
5-5	5
1-1	$2^3.3^2.5=360$

R010) c)

72-45-54	2
36-45-27	2
18-45-27	2
9-45-27	3
3-15-9	3
1-5-3	3
1-5-1	5
1-1-1	$2^3.3^3.5=1080$

R010) d)

15-20-25	2
15-10-25	2
15-5-25	3
5-5-25	5
1-1-5	5
1-1-1	$2^2.3.5^2=300$

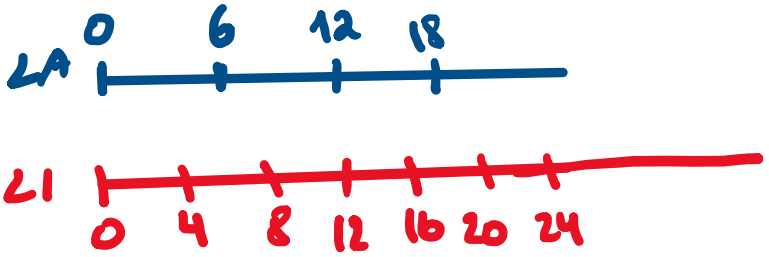
R011)

3 - 6 - 8	2
3 - 3 - 4	2
3 - 3 - 2	2
3 - 3 - 1	3
1 - 1 - 1	$2^3 . 3 = 24$

R: 24 HORAS

R012)

4 - 6	2
2 - 3	2
1 - 3	3
1 - 1	$2^2 . 3 = 12$



R: 12 h