

Tarea NO.01

* Cuartiles: 1 y 3

* Deciles: 1 y 5

* Percentiles: 70 y 85

Examen de matemáticas de 6.º Primaria

X	F	f.a	LxP
48 - 56	5	5	47.5
57 - 65	8	13	56.5
66 - 74	7	20	65.5
75 - 83	9	29	74.5
84 - 92	6	35	83.5

Cuartiles

Primera $Q_1 = 35/4 = 8.75$

$Lr^2 = 56.5$ $56.5 + \left(\frac{8.75 - 5}{13} \right) 9$

$N/4 = 8.75$

$f.a = 13$ $56.5 + \left(\frac{3.75}{13} \right) 9$

$F = 33$

$i = 9$ $56.5 + (0.28) 9$

VIVO

$$56.5 + 2.52$$

$$R// 59.02$$

Segunda $Q_3 =$

$$3 \times 35 / 4 = 105 / 4 = 26.25$$

$$Lr = 74.5$$

$$N/4 = 26.25$$

$$f_{aa} = 20$$

$$f = 9$$

$$i = 9$$

$$74.5 + \left(\frac{26.25 - 20}{9} \right) 9$$

$$74.5 + \left(\frac{6.25}{9} \right) 9$$

$$74.5 + (0.69) 9$$

$$74.5 + 6.21$$

$$R// 80.71$$

Deciles

Primera $D_1 =$

$$35 \times 1 / 10 = 3.5$$

$$Lr = 47.5$$

$$N/10 = 3.5$$

$$f_{aa} = 5$$

$$f = 5$$

$$47.5 + \left(\frac{3.5 - 5}{5} \right) 9$$

$$47.5 + \left(\frac{-1.5}{5} \right) 9$$

VIVO

$$o_1 z 9$$

$$47.5 + (-0.3)9$$

$$47.5 + 2.7$$

$$R/ 50.2$$

Segunda D3 =

$$35 \times 5 / 10 = 175 / 10 = 17.5$$

$$Lr_1 z 65.5$$

$$65.5 + \left(\frac{17.5 - 13}{7} \right) 9$$

$$N/10 z 17.5$$

$$f_{aa} z 13$$

$$65.5 + \left(\frac{4.5}{7} \right) 9$$

$$f_z 7$$

$$o_1 z 9$$

$$65.5 + (0.64)9$$

$$65.5 + 5.76$$

$$R/ 71.26$$

Percentil

Primera P70 =

$$35 \times 70 / 100 = 2,450 / 100 = 24.5$$

$$Lr_1 z 74.5$$

$$74.5 + \left(\frac{24.5 - 20}{9} \right) 9$$

$$N/100 = 24.5$$

$$f_{aa} z 20$$

vivo

$$f = 9$$

$$i = 9$$

$$74.5 + \left(\frac{4.5(9)}{9} \right) 9$$

$$74.5 + (0.5) 9$$

$$74.5 + 4.5$$

$$R // 79$$

Segunda P85 =

$$35 \times 85 / 100 = 29.75 / 100 = 29.75$$

$$Li = 83.5$$

$$N/100 = 29.75$$

$$f = 29$$

$$i = 6$$

$$i = 9$$

$$83.5 + \left(\frac{29.75 - 29}{6} \right) 9$$

$$83.5 + \left(\frac{0.75}{6} \right) 9$$

$$83.5 + (0.13) 9$$

$$83.5 + 1.17$$

$$R // 84.67$$