



INSTITUCIÓN EDUCATIVA MIGUEL DE CERVANTES SAavedra

EJERCICIOS

1) Tres fracciones.

$$R1 = \frac{4}{5} = \frac{4 \cdot 4}{5 \cdot 4} = \frac{16}{20} \quad \frac{4}{5} = \frac{16}{20} \quad 4 \cdot 20 = 5 \cdot 16$$

$$80 = 80$$

$$2 = \frac{2}{1} \quad \frac{2 \cdot 2}{1 \cdot 2} = \frac{4}{2} \quad \frac{2}{1} = \frac{4}{2} \quad 2 \cdot 2 = 1 \cdot 4$$

$$4 = 4$$

$$-5 = -\frac{5}{1} \quad -\frac{5 \cdot 2}{1 \cdot 2} = -\frac{10}{2} \quad \frac{5}{1} = -\frac{10}{2} \quad 5 \cdot 2 = 1 \cdot 10$$

$$-10 = -10$$

2 R1) Serían 40'600,000 habitantes es la cantidad total de habitantes.

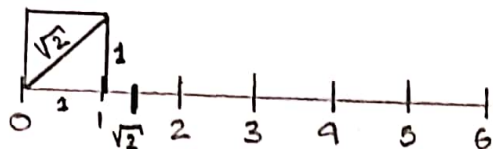
3 R1) Capa de hielo de los lugares de Alaska. Se redujo a un porcentaje de 38 cm



INSTITUCIÓN EDUCATIVA MIGUEL DE CERVANTES SAAVEDRA

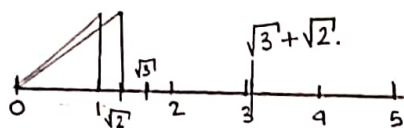
Solución

a. R1 =



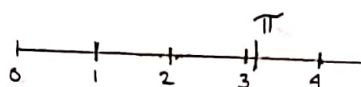
$$\sqrt{2} = 1.414... \\ h^2 = 1^2 + 1^2 \\ h = \sqrt{1+1} \\ h = \sqrt{2}$$

b. R1 =



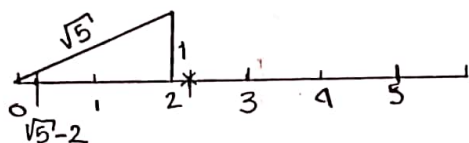
$$b. \sqrt{3} + \sqrt{2}$$

c. R1 =



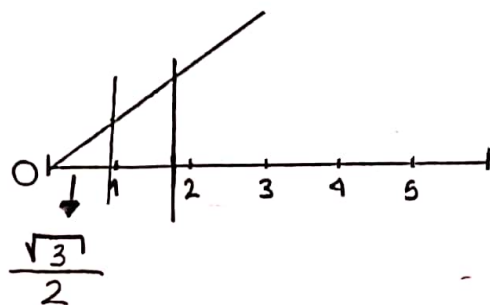
$$\pi = 3.1416$$

d. R1 =



$$\sqrt{5} - 2; \frac{\sqrt{5}}{h} = \sqrt{\left(\frac{2}{h}\right)^2 + \left(\frac{1}{h}\right)^2}; 5 - 4 = 1$$

e. R1 =



$$\frac{\sqrt{3}}{2}$$



INSTITUCIÓN EDUCATIVA MIGUEL DE CERVANTES SAAVEDRA

$$5R1 = a: 13\sqrt{6} - 7\sqrt{6} + \sqrt{6}$$

$$(13 - 7 + 1)\sqrt{6} = 7\sqrt{6} \rightarrow 1R$$

$$6R1 = 5\sqrt{3} + 7\sqrt{3}$$

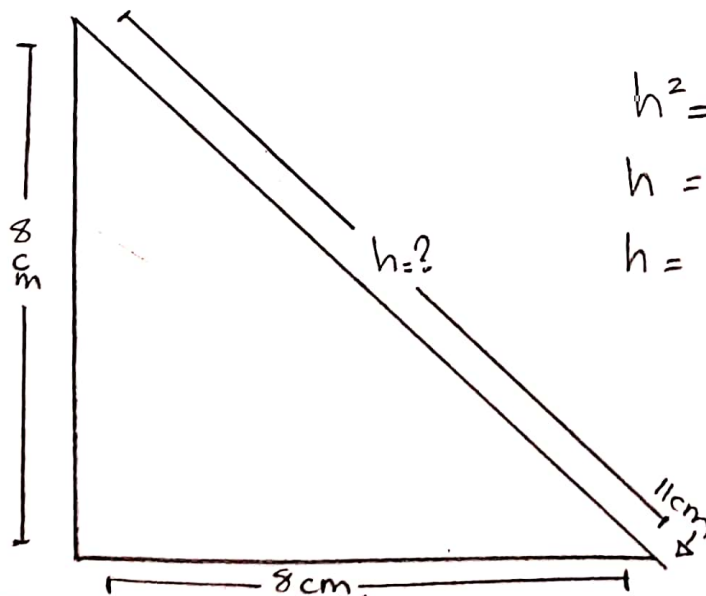
$$(5 + 7)\sqrt{3} = 12\sqrt{3} \rightarrow 1R$$

$$CR1 = 5\sqrt{2} \times 6\sqrt{2}$$

$$m.c.m(5,6) = 30$$

$$= \sqrt[30]{2^6} \cdot \sqrt[30]{2^5} = \sqrt[30]{2^6 \cdot 2^5} = \sqrt[30]{2^{6+5}} = \sqrt[30]{2^{11}} \rightarrow 1R$$

$$dR1 = \frac{20\sqrt{3}}{5} \text{ m}$$



$$h^2 = 8^2 + 8^2$$

$$h = \sqrt{8+8}$$

$$h = \sqrt{16}$$