

## Preterência de um grante

$$1) \quad aB^2 = ac \cdot ah$$

$$aB = 8 \text{ cm}$$

$$ac = ah = x$$

$$ah = (ac + ah)$$

$$8^2 = x(x+x)$$

$$64 = x \cdot 2 \cdot x$$

$$64 = 2 \cdot x^2$$

$$x^2 = \frac{64}{2}$$

$$x^2 = 32$$

$$x = \sqrt{32}$$

$$x = 4\sqrt{2} \quad \text{Letra E}$$

$$2) \quad 4a = 3pe$$

$$\frac{4B}{pe} = \frac{8a}{pe} \rightarrow pe^2 = 4B \cdot 4a$$

$$(3pe)^2 = 4B \cdot 4a$$

$$9pe = 4B$$

$$4B = 9pe \quad \text{Letra B}$$

$$4) \text{CE} \cdot \text{EB} = 3$$

$$\text{CE} = \text{EW}$$

$$\text{CE} \cdot \text{EW} = \text{CE} \cdot \text{EB} = 3$$

$$\text{CE}^2 = 3$$

$$\text{CE} = \sqrt{3}$$

$$\text{EW} = \text{CE} + \text{WB} = \sqrt{3} + \sqrt{3}$$

$$\text{EW} = 2\sqrt{3} \quad \text{Linha EB}$$

$$5) \text{CE} \cdot \text{EW} = \text{CB} \cdot \text{WB}$$

$$(4 + 2R) \cdot 4 = 18 \cdot 8$$

$$16 + 8R = 144$$

$$8R = 128$$

$$R = \frac{128}{8}$$

$$R = 16$$

Perimeter:  $= 20 + 20 + 20$

$20 + 20 + 20 = 60$

$18 + 16 + 20 = 54$  letra E