

$$\begin{array}{l}
 \hat{A} = 90^\circ \\
 \overline{BC} - \overline{AB} = 27 \text{ m} \\
 \overline{BC} = \frac{17}{8} \overline{AB}
 \end{array}
 \left| \begin{array}{l}
 1 \\
 2P \\
 A
 \end{array} \right.$$

$$\overline{BC} : \overline{AB} = 17 : 8$$

$$(\overline{BC} - \overline{AB}) : \overline{BC} = (17 - 8) : 17$$

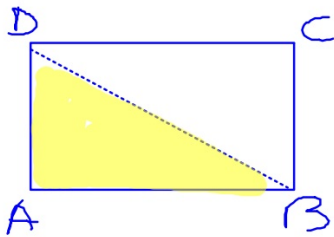
$$27 : \overline{BC} = 8 : 17$$

$$\overline{BC} = \frac{27 \cdot 17}{8} = 51 \text{ m}$$

$$\overline{AB} = \overline{BC} - (\overline{BC} - \overline{AB}) = 51 - 27 = 24 \text{ m}$$

$$\begin{aligned}
 \overline{AC} &= \sqrt{\overline{BC}^2 - \overline{AB}^2} = \sqrt{51^2 - 24^2} = \sqrt{2601 - 576} = \\
 &= \sqrt{2025} = 45 \text{ m}
 \end{aligned}$$

$$A = \overline{AB} \cdot \overline{AC}$$

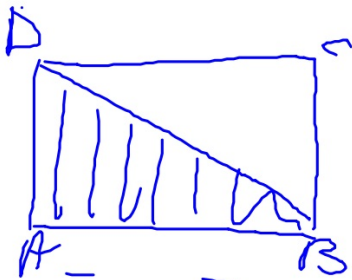


$$\overline{AB} = \sqrt{\overline{BD}^2 - \overline{AD}^2}$$

$$\overline{AD} = \sqrt{\overline{BD}^2 - \overline{AB}^2}$$

$$\overline{BD} = \sqrt{\overline{AB}^2 + \overline{AD}^2}$$

$$\sqrt{6829} = 83,3$$



$$2p = 234 \text{ cm} \quad \left| \begin{array}{l} \overline{BD} \\ \overline{AB} - \overline{DA} = 13 \end{array} \right. \quad \begin{array}{l} 1 \\ \overline{BD} \\ A \end{array}$$

$$\overline{AB} + \overline{DA} = 2p \quad ; \quad 2 = 234 \quad ; \quad 2 = 117 \text{ cm}$$

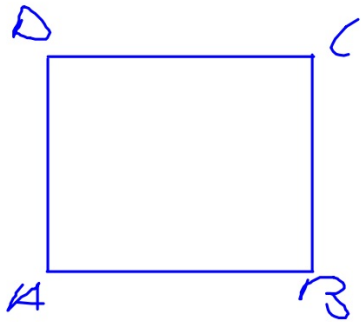
$$\overline{AB} = \frac{s+d}{2} = \frac{117+13}{2} = \frac{130}{2} = 65 \text{ cm}$$

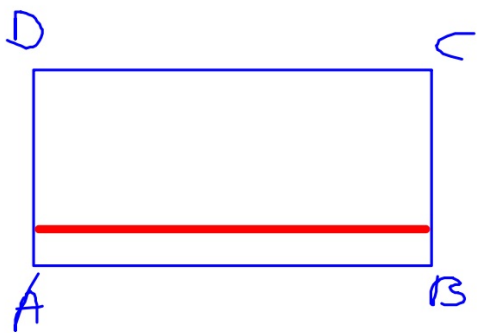
$$\overline{DA} = \frac{s-d}{2} = \frac{117-13}{2} = \frac{104}{2} = 52 \text{ cm}$$

$$\overline{BD} = \sqrt{\overline{AB}^2 + \overline{DA}^2} = \sqrt{65^2 + 52^2} = \sqrt{4225 + 2704}$$

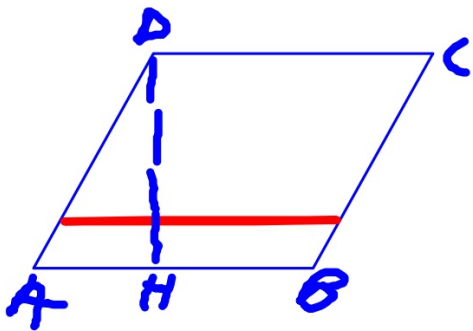
$$A = \overline{AB} \cdot \overline{DA} = 65 \cdot 52 = 3380 \text{ m}^2$$

1:13

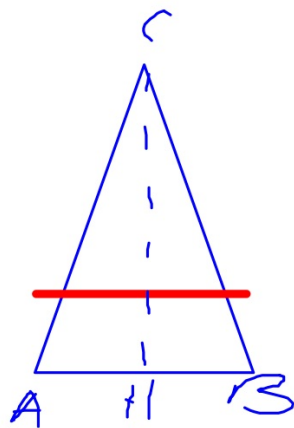




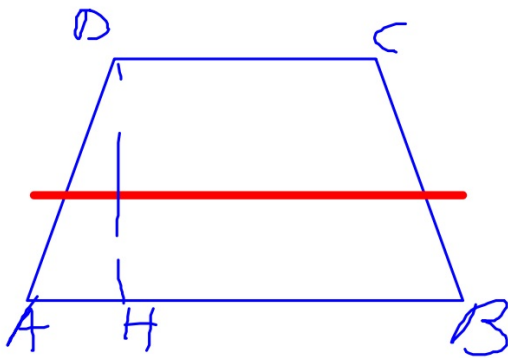
$$A = AB \cdot BC$$



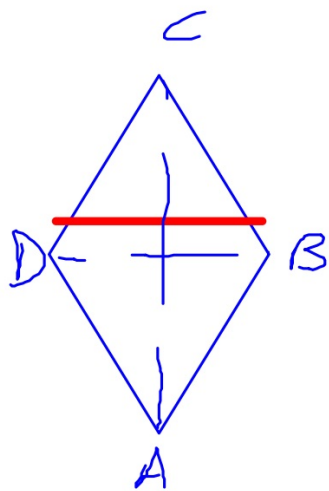
$$A = AB \cdot DH$$



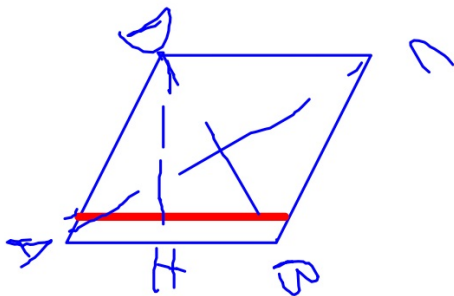
$$A = \frac{AB \cdot CH}{2}$$



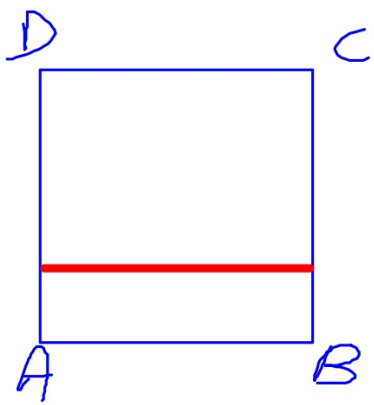
$$A = \frac{(\overline{AB} + \overline{CD}) \cdot DH}{2}$$



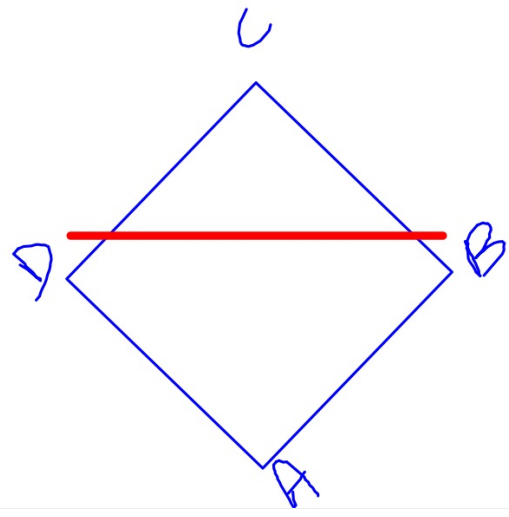
$$A = \frac{\overline{BD} \cdot \overline{AC}}{2}$$



$$A = AB \cdot DH$$



$$A = AB^2$$



$$A = \frac{BD \cdot CA}{2}$$

$$3 : x = x : 48$$

PROPORZIONE CONTINUA

$$x^2 = 3 \cdot 48 = 144$$

$$\sqrt{x^2} = \sqrt{144} = 12$$

$$x = 12$$

MEDIO  
PROPORZIONALE



$$7 : x = x : 63$$

$$x^2 = 7 \cdot 63 = 441$$

$$x = \sqrt{441} = 21$$

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$$18 : x = x : 32$$

$$x^2 = 18 \cdot 32 = 576$$

$$x = \sqrt{576} = 24$$

$$\frac{7}{2} : x = x : \frac{14}{25}$$

$$x^2 = \frac{7}{\cancel{2}} \cdot \frac{\cancel{14}^7}{25} = \frac{49}{25}$$

$$x = \sqrt{\frac{49}{25}} = \frac{7}{5}$$

$$\frac{9}{4} : x = x : \frac{27}{25}$$

$$x^2 = \frac{9}{4} \cdot \frac{27}{25} = \frac{81}{100}$$

$$x = \sqrt{\frac{81}{100}} = \frac{9}{10}$$

$$x : 81 = 4 : x$$

INVERTIRE ANTECEDENTE CON  
CONSEQUENTE

$$81 : x = x : 4$$

$$x^2 = 81 \cdot 4 = 324$$

$$x = \sqrt{324} = 18$$

$$\left(\frac{19}{20} - \frac{1}{5}\right) : x = x : \left(\frac{4}{5} - \frac{8}{25}\right)$$

$$\left(\frac{19-4}{20}\right) : x = x : \left(\frac{20-8}{25}\right)$$

$$\frac{15}{20} : x = x : \frac{12}{25}$$

$$x^2 = \frac{15}{20} \cdot \frac{12}{25} = \frac{8}{25}$$

$$x = \sqrt{\frac{8}{25}} = \frac{2\sqrt{2}}{5}$$

$$\left(\frac{2}{3} + \frac{5}{4} + \frac{1}{12}\right) : x = x = \left(1 + \frac{1}{8}\right)$$

$$\left(\frac{8+15+1}{12}\right) : x = x = \left(\frac{8+1}{8}\right)$$

$$\frac{24}{12} : x = x = \frac{24}{8}$$

$$x^2 = \frac{24}{1} \cdot \frac{1}{8} = \frac{24}{8}$$

$$x = \sqrt{\frac{24}{8}} = \sqrt{3}$$

$$\left(\frac{3}{5} + \frac{1}{15}\right) : x = x : \left(2 - \frac{4}{3}\right)$$

$$\left(\frac{3+1}{15}\right) : x = x : \left(\frac{6-4}{3}\right)$$

$$\frac{10}{15} : x = x : \frac{2}{3}$$

$$x^2 = \frac{10}{15} \cdot \frac{2}{3} = \frac{4}{9}$$

$$x = \sqrt{\frac{4}{9}} = \frac{2}{3}$$