

$$3:4 = x:8$$

$$x:y = 3:4$$

$$x+y = \dots$$

$$y-x = \dots$$

$$4:\underline{x} = \underline{x}:8 \quad \text{PROPORZIONI CONTINUE}$$

RICERCA DEL MEMO PROPORZIONALE

$$x^2 = 4 \cdot 8 = 36$$

$$x = \sqrt{36} = 6$$

$$7 : x = x : 28$$

$$x^2 = 7 \cdot 28 = 196$$

$$x = \sqrt{196} = 14$$

$$36 : x = x : 4$$

$$x^2 = 36 \cdot 4 = 144$$

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

$$150 : x = x : 6$$

$$x^2 = 150 \cdot 6 = 900$$

$$x = \sqrt{900} = 30$$

$$\frac{1}{2} : x = x : \frac{25}{8}$$

$$x^2 = \frac{1}{2} \cdot \frac{25}{8} = \frac{25}{16}$$

NON CAPOVOLGE
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$$x = \sqrt{\frac{25}{16}} = \frac{5}{4}$$

$$\frac{1}{10} : x = x : \frac{18}{5}$$

$$x^2 = \frac{1}{10} \cdot \frac{18}{5} = \frac{9}{25}$$

$$x = \sqrt{\frac{9}{25}} = \frac{3}{5}$$

$$\frac{3}{7} : x = x : \frac{27}{343}$$

$$x^2 = \frac{3}{7} \cdot \frac{27}{343} = \frac{81}{2401}$$

$$x = \sqrt{\frac{81}{2401}} = \frac{9}{49}$$

$$\left(\frac{8}{5} + \frac{1}{3}\right) : x = x : \left(1 + \frac{14}{15}\right)$$

$$\left(\frac{24+5}{15}\right) : x = x : \left(\frac{15+14}{15}\right)$$

$$\frac{29}{15} : x = x : \frac{29}{15}$$

$$x^2 = \frac{29}{15} \cdot \frac{29}{15} = \frac{841}{225} = \frac{29^2}{15^2}$$

$$x = \sqrt{\frac{841}{225}} = \frac{29}{15}$$

$$\left(\frac{1}{2} + \frac{3}{4} - \frac{1}{5}\right) : X = X : \left(40 - \frac{11}{5}\right)$$

$$\left(\frac{10+15-4}{20}\right) : X = X : \left(\frac{200-11}{5}\right)$$

$$\frac{21}{20} : X = X : \frac{189}{5}$$

$$X^2 = \frac{21}{20} \cdot \frac{189}{5} = \frac{3969}{100}$$

$$X = \sqrt{\frac{3969}{100}} = \frac{63}{10}$$

$$\left(\frac{5}{4} - \frac{1}{2} - \frac{3}{5}\right) : x = x : \left(\frac{4}{3} - \frac{5}{9} + \frac{2}{5} - \frac{10}{3}\right)$$

$$\left(\frac{25 - 10 - 12}{20}\right) : x = x : \left(\frac{60 - 25 + 18 - 50}{45}\right)$$

$$\frac{3}{20} : x = x : \frac{3}{45}$$

$$x^2 = \frac{3}{20} \cdot \frac{3}{45} = \frac{3^1}{\frac{900}{100}}$$

$$x = \sqrt{\frac{1}{100}} = \frac{1}{10}$$

$$\left[\frac{19}{3} : \left(\frac{5}{4} + \frac{3}{8} - \frac{5}{8} \right) - \frac{1}{5} \right] : x = x : \left\{ \left[\left(\frac{1}{2} + \frac{2}{5} \cdot \frac{16}{5} \right) - \frac{2}{5} \right] \cdot \frac{10}{3} \right\}$$

$$\left[\frac{19}{3} : \left(\frac{30+9-20}{24} \right) - \frac{1}{5} \right] : x = x : \left\{ \left[\left(\frac{1}{2} + \frac{4}{25} \right) - \frac{2}{5} \right] \cdot \frac{10}{3} \right\}$$

$$\left[\frac{19}{3} : \frac{24}{24} - \frac{1}{5} \right] : x = x : \left\{ \left[\left(\frac{25+8}{50} \right) - \frac{2}{5} \right] \cdot \frac{10}{3} \right\}$$

$$\left[\frac{40-1}{5} \right] : x = x : \left\{ \left[\frac{33}{50} - \frac{2}{5} \right] \cdot \frac{10}{3} \right\}$$

$$\frac{39}{5} : x = x : \left\{ \left[\frac{33-20}{50} \right] \cdot \frac{10}{3} \right\}$$

$$\frac{39}{5} : x = x : \left\{ \frac{13}{50} \cdot \frac{10}{3} \right\}$$

$$\frac{39}{5} : x = x : \frac{13}{15}$$

$$x^2 = \frac{13}{5} \cdot \frac{13}{5} = \frac{169}{25}$$

$$x = \sqrt{\frac{169}{25}} = \frac{13}{5}$$