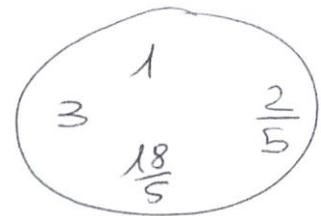


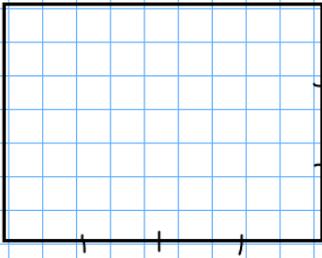
1. In un rettangolo la somma di base e altezza è di cm 42 e la base è  $\frac{4}{3}$  dell'altezza. Trova l'area.  
+ trova il perimetro di un quadrato equivalente.
2. In un rettangolo la base è  $\frac{3}{8}$  dell'altezza che misura cm 32. Calcola perimetro e area.
3. Un quadrato ha l'area di  $\text{cm}^2$  324. Calcola il perimetro.  
+ Calcola il perimetro di un rettangolo equivalente avente l'altezza di cm 9.

$$1) \left[ \frac{1}{6} \cdot \frac{15}{2} + \frac{5}{8} : \frac{1}{2} + \frac{1}{4} + \left( \frac{3}{4} - \frac{1}{5} \right) \right] + \frac{3}{10} =$$

$$2) \left[ \frac{1}{2} \times \frac{3}{10} - \left( \frac{2}{5} - \frac{1}{4} \right) \right]^3 \cdot \frac{2}{7} + \left( \frac{5}{3} + \frac{5}{8} - \frac{7}{24} \right)^3 - 5 =$$

$$3) \left\{ 2,6 - \left[ 5,75 - (1,1\bar{3} + 2,2 - 2,5) - \frac{5}{2} \right] \right\} : (2,5 - 2,25) =$$





$$b = 4/3 h$$

$$b + h = 42 \text{ cm}$$

$$A_{\text{rett}} = A_{\text{quad}} = ? \quad p_{\text{quad}} = ?$$

Risolvo

$$b + h = 4/3 + 3/3 = 7/3 \hat{=} 42 \text{ cm}$$

$$\text{U.F. } 42 : 7 = 6 \text{ cm}$$

$$b = 4 \times 6 = 24 \text{ cm}$$

$$h = 3 \times 6 = 18 \text{ cm}$$

$$A = b \times h = 24 \times 18 = 432 \text{ cm}^2$$

$$l = \sqrt{A} = \sqrt{432} = 20,8 \text{ cm}$$

$$p = 4l = 4 \times 20,8 = 83,2 \text{ cm}$$



$$b = \frac{3}{8} h \quad D_r = 24 \text{ cm}$$

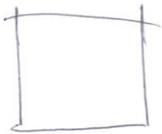
$$h = 32 \text{ cm}$$

$$2p = ? \quad A = ? = A_{\text{rombo}}$$

$$b = \frac{3}{8} h = \frac{3}{8} \cdot 32 = 12 \text{ cm}$$

$$A = b \times h = 12 \cdot 32 = 384 \text{ cm}^2$$

$$2p = (b+h) \cdot 2 = (12+32) \cdot 2 = 44 \cdot 2 = 88 \text{ cm}$$



$$A_q = A_r = 324 \text{ cm}^2$$

$$2p_q = ? \quad h_{\text{rett}} = 9 \text{ cm} \quad 2p_{\text{rett}} = ?$$

$$l = \sqrt{A} = \sqrt{324} = 18 \text{ cm}$$

$$2p_q = 4l = 4 \cdot 18 = 72 \text{ cm}$$

$$b_{\text{rett}} = \frac{A}{h} = \frac{324}{9} = 36 \text{ cm}$$

$$2p_{\text{rett}} = (b+h) \cdot 2 = (36+9) \cdot 2 = 45 \cdot 2 = 90 \text{ cm}$$

$$\begin{aligned}
 1) &= \left[ \frac{1}{\frac{6}{2}} \cdot \frac{5}{2} + \frac{5}{8} \cdot 2 + \frac{1}{4} + \frac{15-4}{20} \right] + \frac{3}{10} = \\
 &= \left[ \frac{5}{4} + \frac{10}{8} + \frac{1}{4} + \frac{11}{20} \right] + \frac{3}{10} = \frac{25+25+5+11}{20} + \frac{3}{10} = \frac{66+6}{20} = \frac{72}{20} = \frac{18}{5}
 \end{aligned}$$

$$\begin{aligned}
 2) &= \left[ \frac{1}{2} \times \frac{3}{10} - \frac{8-5}{20} \right]^3 \cdot \frac{2}{7} + \left( \frac{40+15-7}{24} \right)^3 - 5 = \\
 &= \left[ \frac{3}{20} - \frac{3}{20} \right]^3 \cdot \frac{2}{7} + \left( \frac{48}{24} \right)^3 - 5 = 2^3 - 5 = 8 - 5 = 3
 \end{aligned}$$

$$\begin{aligned}
 3) &= \left\{ \frac{26-2}{9} - \left[ \frac{575}{100} - \left( \frac{113-11}{90} + \frac{22}{10} - \frac{25}{10} \right) - \frac{5}{2} \right] \right\} : 0,25 \\
 &= \left\{ \frac{24}{9} - \left[ \frac{575}{100} - \frac{102+198-225}{90} - \frac{5}{2} \right] \right\} : \frac{25}{100} = \\
 &= \left\{ \frac{24}{9} - \left[ \frac{575}{100} - \frac{75}{90} - \frac{5}{2} \right] \right\} \cdot \frac{100}{25} = \\
 &= \left\{ \frac{8}{3} - \frac{69-10-30}{12} \right\} \cdot 4 = \left\{ \frac{8}{3} - \frac{29}{12} \right\} \cdot 4 = \frac{32-29}{12} \cdot 4 = \frac{12}{12} = 1
 \end{aligned}$$