FIŞA – nr raționale pozitive.

① $\frac{2}{3} \cdot \frac{4}{5} =$ $\quad (+\frac{3}{10}) \cdot (-\frac{1}{3}) =$ $\quad (-\frac{1}{8}) \cdot (+\frac{12}{6}) =$

$\frac{6}{9} \cdot \frac{1}{7} =$ $\quad (-\frac{1}{5}) \cdot (-\frac{6}{9}) =$ $\quad (-\frac{3}{5}) \cdot (+\frac{4}{7}) =$

$\frac{4}{3} \cdot \frac{13}{8} =$ $\quad (-\frac{3}{4}) \cdot (-\frac{11}{9}) =$ $\quad (+\frac{9}{7}) \cdot (-\frac{10}{11}) =$

$\frac{8}{5} \cdot \frac{1}{4} =$ $\quad (-\frac{1}{2}) \cdot (-\frac{12}{8}) =$ $\quad (+\frac{3}{13}) \cdot (-\frac{12}{11}) =$

② $\frac{3}{9} : \frac{2}{3} =$ $\quad \frac{9}{10} : \frac{10}{4} =$ $\quad (-\frac{1}{5}) : \frac{3}{10} =$

$\frac{9}{4} : \frac{6}{9} =$ $\quad (-\frac{1}{6}) : (-\frac{1}{9}) =$ $\quad \frac{9}{10} : \frac{12}{15} =$

$\frac{1}{2} : \frac{1}{3} =$ $\quad (-\frac{3}{6}) : (-\frac{12}{18}) =$ $\quad (-\frac{3}{8}) : (+\frac{7}{9}) =$

$\frac{1}{3} : \frac{1}{2} =$ $\quad (-\frac{4}{8}) : (-\frac{9}{16}) =$ $\quad (+\frac{4}{3}) : (-\frac{8}{9}) =$

③ $(\frac{4}{3})^2 =$ $\quad (\frac{4}{10})^2 =$ $\quad (\frac{14}{12})^2 =$ $\quad (-\frac{1}{5})^3 =$ $\quad (\frac{1}{4})^2 =$

$(\frac{1}{5})^2 =$ $\quad (-\frac{1}{3})^2 =$ $\quad (\frac{1}{3})^3 =$ $\quad (-\frac{1}{2})^3 =$ $\quad (-\frac{1}{4})^2 =$

$(\frac{4}{3})^2 =$ $\quad (-\frac{1}{2})^2 =$ $\quad (-\frac{1}{9})^2 =$ $\quad (-\frac{1}{10})^3 =$ $\quad (\frac{4}{3})^2 =$

$(\frac{1}{9})^2 =$ $\quad (-\frac{1}{4})^2 =$ $\quad (\frac{1}{4})^3 =$ $\quad (-\frac{1}{6})^2 =$ $\quad (-\frac{4}{3})^2 =$

④ $5 \cdot 6 =$ $\quad 4 \cdot 10 =$ $\quad 2 \cdot 3 =$ $\quad 6 \cdot 9 =$ $\quad -3 \cdot 5 =$

$(-5) \cdot (-6) =$ $\quad -4 \cdot (-10) =$ $\quad (2)(-3) =$ $\quad 54 : 9 =$ $\quad -15 : (-3) =$

$(-5) \cdot 6 =$ $\quad 4 \cdot (-10) =$ $\quad 2 \cdot (-3) =$ $\quad 54 : 6 =$ $\quad -15 : (-5) =$

FIȘĂ - nr raționale pozitive

① $\frac{1}{5} + \frac{2}{5} =$ $\quad \frac{4}{6} - \frac{1}{6} =$ $\quad \frac{3}{4} + \frac{1}{4} - \frac{4}{4} =$

$\frac{3}{7} + \frac{2}{7} =$ $\quad \frac{4}{7} - \frac{1}{7} =$ $\quad \frac{7}{11} + \frac{16}{11} - \frac{12}{11} =$

$\frac{8}{7} + \frac{1}{7} =$ $\quad \frac{16}{10} - \frac{10}{10} =$ $\quad \frac{4}{3} + \frac{26}{3} - \frac{15}{3} =$

$\frac{4}{3} + \frac{2}{3} =$ $\quad \frac{19}{12} - \frac{12}{12} =$ $\quad \frac{4}{3} - \frac{1}{3} + \frac{10}{3} =$

$\frac{16}{13} + \frac{17}{13} =$ $\quad \frac{6}{9} - \frac{5}{9} =$ $\quad \frac{8}{15} - \frac{6}{15} - \frac{1}{15} =$

② $\frac{1}{2} + \frac{2}{3} =$ $\quad \frac{4}{10} - \frac{1}{2} =$ $\quad \frac{2}{5} + \frac{6}{7} =$

$\frac{4}{5} + \frac{1}{6} =$ $\quad \frac{9}{5} - \frac{1}{2} =$ $\quad \frac{12}{10} - \frac{10}{20} =$

$\frac{3}{7} + \frac{1}{3} =$ $\quad \frac{3}{7} - \frac{2}{13} =$ $\quad \frac{1}{7} - \frac{1}{10} =$

$\frac{8}{9} + \frac{2}{6} =$ $\quad \frac{10}{4} - \frac{2}{3} =$ $\quad \frac{13}{21} - \frac{4}{17} =$

③ $4 + 24 =$ $\quad 100 - 29 =$ $\quad 35 - 16 =$ $\quad 13 - 9 =$

$15 + 24 =$ $\quad 39 - 18 =$ $\quad 43 - 17 =$ $\quad 22 - 9 =$

$80 + 39 =$ $\quad 47 - 19 =$ $\quad 69 - 10 =$ $\quad 14 - 9 =$

$19 + 24 =$ $\quad 66 - 17 =$ $\quad 100 - 49 =$ $\quad 67 - 18 =$

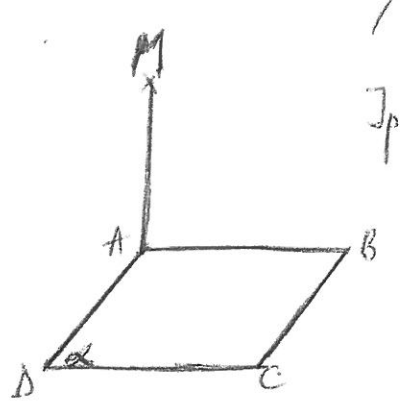
$16 + 14 =$ $\quad 78 - 19 =$ $\quad 37 - 4 =$ $\quad 150 - 39 =$

$95 - 89 =$ $\quad 46 - 28 =$

– dreapta perpendiculară pe plan.

FIȘA – Calculeaza distanței dintre 2 puncte

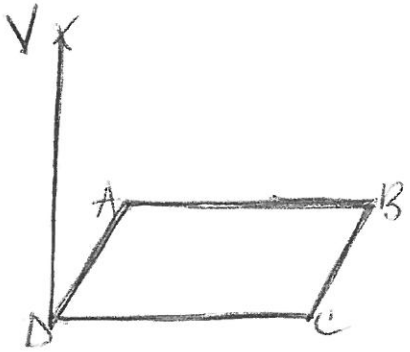
① .



Ip: ABCD – pătrat
$l = 4$ cm.
$MA \perp \alpha$
$MA = 5$ cm.

Cz: $d(M, D) = ?$
$d(M, B) = ?$
$d(M, C) = ?$

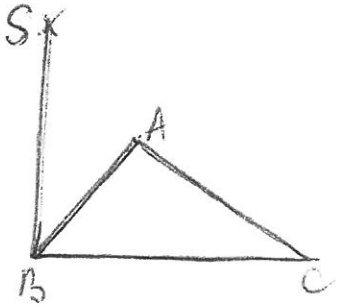
② .



Ip: ABCD – dreptunghi
$AB = 8$ cm.
$BC = 6$ cm.
$VD \perp (ABCD)$
$VD = 10$ cm.

Cz: $d(V, A) = ?$
$d(V, B) = ?$
$d(V, C) = ?$

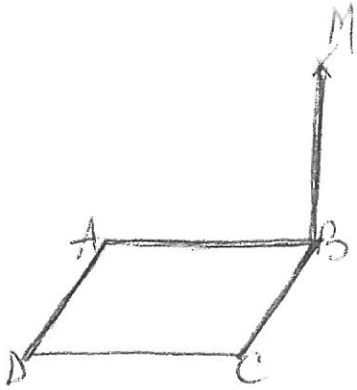
③ .



Ip: ΔABC – echilateral
$l = 2$ cm.
$SB \perp (ABC)$
$SB = 9$ cm.

Cz: $d(S, C) = ?$
$d(S, A) = ?$

④ .



Ip: ABCD pătrat
$l = 5$ cm.
$MB \perp (ABCD)$
$d(M, C) = 6$ cm.

Cz: $d(M, B) = ?$
$d(M, A) = ?$
$d(M, D) = ?$

⑤. Dreapta perpendiculară pe un plan este perpendiculară pe .....

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