

Lösungen:

		Punkte
1	<p>Bitte bringen Sie's in die Form $(\square \pm \square)(\square \pm \square)$</p> <p>a) $be - 8bvz + e - 8vz$ L: $(-b - 1)(-e + 8vz)$ b) $3avx - 24vx - 2a^2y + 16ay$ L: $(-3vx + 2ay)(-a + 8)$ c) $25j^2 + 65j + 36$ L: $(5j + 4)(5j + 9)$</p>	6
2	<p>Bitte berechnen Sie</p> <p>a) $4 : (7 : (5 : 3))$ L: $\frac{20}{21}$ b) $(\frac{8}{9} : (\frac{7}{5} : \frac{1}{3})) : \frac{5}{3}$ L: $\frac{8}{63}$ c) $((\frac{7}{9} : \frac{5}{4}) : \frac{2}{3}) : \frac{10}{11}$ L: $\frac{77}{75}$</p>	6
3	<p>Bitte berechnen Sie</p> <p>a)</p> $\frac{-ei - 1}{-or - 2} + \frac{3sw + 8y}{-6jr - 5x}$ <p style="text-align: center;">L:</p> $\frac{-ei - 1}{-or - 2} + \frac{3sw + 8y}{-6jr - 5x} = \frac{6eijr + 5eix + 6jr + 5x - 3orsw - 8ory - 6sw - 16y}{6jor^2 + 5orx + 12jr + 10x}$ <p>b)</p> $\frac{-6e - 7mu}{5p - 3w} - \frac{7hm - 5kz}{z - cp}$ <p style="text-align: center;">L:</p> $\frac{-6e - 7mu}{5p - 3w} - \frac{7hm - 5kz}{z - cp} = \frac{-6ez + 6cep - 7muz + 7cmu - 35hmp + 25kpz + 21hmw - 15kwz}{5pz - 5cp^2 - 3wz + 3cpw}$	4
4	<p>Bitte berechnen Sie</p> <p>a)</p> $\frac{\frac{-5}{2} * \frac{3}{-10} * \frac{-7}{6} * \frac{-5}{6}}{\frac{-1}{-4} * \frac{9}{-5} * \frac{5}{-6} * \frac{-1}{-6}}$ <p style="text-align: center;">L:</p> $\frac{35}{3}$ <p>b)</p> $\frac{(-\frac{4}{-9} - \frac{-8}{9}) * (-\frac{9}{-5} - \frac{2}{5})}{(-\frac{7}{-3} + \frac{9}{-5}) * (-\frac{-8}{-9} - \frac{-5}{3})}$ <p style="text-align: center;">L:</p> $-\frac{99}{14}$	6

c)

$$\frac{\left(\frac{-1}{-3} - \frac{-1}{8}\right) * \frac{7}{6}}{\left(\frac{-3}{5} - \frac{-4}{5}\right) * \frac{-7}{-6}}$$

L :

$$\frac{55}{24}$$