Selbsttest: Binomische Formeln mit Brüchen

– I Berechnen

Aufgaben	
$\left(-\dfrac{7}{2}e + a\right)^2$	
$\left(2k + \dfrac{1}{5}q\right)^2$	
$\left(2r - \dfrac{-7}{6}a\right)^2$	
$\left(-\dfrac{5}{9}z + \dfrac{11}{4}u\right)^2$	
$\left(\dfrac{2}{7}y + \dfrac{3}{2}d\right)^2$	
$\left(5b - \dfrac{-4}{3}q\right)^2$	
$\left(\dfrac{3}{5}w + \dfrac{11}{7}n\right)\left(\dfrac{3}{5}w - \dfrac{11}{7}n\right)$	
$\left(\dfrac{5}{4}p + \dfrac{-1}{2}v\right)\left(\dfrac{5}{4}p - \dfrac{-1}{2}v\right)$	
$\left(12n + \dfrac{-1}{4}c\right)\left(12n - \dfrac{-1}{4}c\right)$	
$\left(\dfrac{1}{11}q + \dfrac{-3}{2}b\right)\left(\dfrac{1}{11}q - \dfrac{-3}{2}b\right)$	
$(-3k + 5h)^2$	
$\left(-2u + \dfrac{-7}{3}a\right)\left(-2u - \dfrac{-7}{3}a\right)$	

Aufgaben	Lösungen
$\left(-\dfrac{7}{2}e + a\right)^2$	$\dfrac{49}{4}e^2 - 7\,ea + a^2$
$\left(2k + \dfrac{1}{5}q\right)^2$	$4k^2 + \dfrac{4}{5}kq + \dfrac{1}{25}q^2$
$\left(2r - \dfrac{-7}{6}a\right)^2$	$4r^2 + \dfrac{14}{3}ra + \dfrac{49}{36}a^2$
$\left(-\dfrac{5}{9}z + \dfrac{11}{4}u\right)^2$	$\dfrac{25}{81}z^2 - \dfrac{55}{18}zu + \dfrac{121}{16}u^2$
$\left(\dfrac{2}{7}y + \dfrac{3}{2}d\right)^2$	$\dfrac{4}{49}y^2 + \dfrac{6}{7}yd + \dfrac{9}{4}d^2$
$\left(5b - \dfrac{-4}{3}q\right)^2$	$25b^2 + \dfrac{40}{3}bq + \dfrac{16}{9}q^2$
$\left(\dfrac{3}{5}w + \dfrac{11}{7}n\right)\left(\dfrac{3}{5}w - \dfrac{11}{7}n\right)$	$\dfrac{9}{25}w^2 - \dfrac{121}{49}n^2$
$\left(\dfrac{5}{4}p + \dfrac{-1}{2}v\right)\left(\dfrac{5}{4}p - \dfrac{-1}{2}v\right)$	$\dfrac{25}{16}p^2 - \dfrac{1}{4}v^2$
$\left(12n + \dfrac{-1}{4}c\right)\left(12n - \dfrac{-1}{4}c\right)$	$144n^2 - \dfrac{1}{16}c^2$
$\left(\dfrac{1}{11}q + \dfrac{-3}{2}b\right)\left(\dfrac{1}{11}q - \dfrac{-3}{2}b\right)$	$\dfrac{1}{121}q^2 - \dfrac{9}{4}b^2$
$(-3k + 5h)^2$	$9k^2 - 30kh + 25h^2$
$\left(-2u + \dfrac{-7}{3}a\right)\left(-2u - \dfrac{-7}{3}a\right)$	$4u^2 - \dfrac{49}{9}a^2$