Selbsttest: Binomische Formeln mit Brüchen

– II Erkennen

Aufgaben	
$\dfrac{25}{9}r^2 - \dfrac{9}{49}y^2$	
$\dfrac{4}{25}o^2 + \dfrac{1}{5}od + \dfrac{1}{16}d^2$	
$\dfrac{49}{16}n^2 + \dfrac{49}{8}ny + \dfrac{49}{16}y^2$	
$\dfrac{1}{9}f^2 + \dfrac{4}{3}fe + 4e^2$	
$o^2 - \dfrac{1}{2}od + \dfrac{1}{16}d^2$	
$\dfrac{121}{64}t^2 - \dfrac{144}{121}i^2$	
$16h^2 + 24hb + 9b^2$	
$\dfrac{121}{81}e^2 - \dfrac{22}{3}eb + 9b^2$	
$s^2 + \dfrac{22}{9}sz + \dfrac{121}{81}z^2$	
$x^2 - 49n^2$	
$\dfrac{121}{81}m^2 + \dfrac{11}{6}mb + \dfrac{9}{16}b^2$	
$\dfrac{121}{36}w^2 - \dfrac{144}{25}n^2$	

Aufgaben	Lösungen
$\dfrac{25}{9}r^2 - \dfrac{9}{49}y^2$	$\left(\dfrac{5}{3}r + \dfrac{3}{7}y\right)\left(\dfrac{5}{3}r - \dfrac{3}{7}y\right)$
$\dfrac{4}{25}o^2 + \dfrac{1}{5}od + \dfrac{1}{16}d^2$	$\left(\dfrac{2}{5}o + \dfrac{1}{4}d\right)^2$
$\dfrac{49}{16}n^2 + \dfrac{49}{8}ny + \dfrac{49}{16}y^2$	$\left(\dfrac{7}{4}n + \dfrac{7}{4}y\right)^2$
$\dfrac{1}{9}f^2 + \dfrac{4}{3}fe + 4e^2$	$\left(\dfrac{1}{3}f + 2e\right)^2$
$o^2 - \dfrac{1}{2}od + \dfrac{1}{16}d^2$	$\left(o - \dfrac{1}{4}d\right)^2$
$\dfrac{121}{64}t^2 - \dfrac{144}{121}i^2$	$\left(\dfrac{11}{8}t + \dfrac{12}{11}i\right)\left(\dfrac{11}{8}t - \dfrac{12}{11}i\right)$
$16h^2 + 24hb + 9b^2$	$\left(4h + 3b\right)^2$
$\dfrac{121}{81}e^2 - \dfrac{22}{3}eb + 9b^2$	$\left(\dfrac{11}{9}e - 3b\right)^2$
$s^2 + \dfrac{22}{9}sz + \dfrac{121}{81}z^2$	$\left(s + \dfrac{11}{9}z\right)^2$
$x^2 - 49n^2$	$\left(x + 7n\right)\left(x - 7n\right)$
$\dfrac{121}{81}m^2 + \dfrac{11}{6}mb + \dfrac{9}{16}b^2$	$\left(\dfrac{11}{9}m + \dfrac{3}{4}b\right)^2$
$\dfrac{121}{36}w^2 - \dfrac{144}{25}n^2$	$\left(\dfrac{11}{6}w + \dfrac{12}{5}n\right)\left(\dfrac{11}{6}w - \dfrac{12}{5}n\right)$