

Algebraic expressions & Calculations

<u>START</u>	Two cubed plus x	$2^3 + x$	$5\sqrt{x}$
Five times the square root of x	Find two opposite numbers	5 and - 5	the opposite of - 2
If you multiply six by one third, you get...	$\frac{x}{5} + x$	The sum of x over five and x	If you expand (multiply out) two x times x plus three in brackets, you get...
$2x^2 + 6x$	The product of the factors eleven and minus eleven	11 × (- 11)	Solve the inequation: "Two x minus three is greater than or equal to minus x "
$2x - 3 \geq - x$ $3x \geq 3$ $x \geq 1$	Three multiplied by eleven is equal to thirty-three	3 × 11 = 33	6 $\frac{1}{3}$
If you add one third to six, you get...	Collect like terms and simplify: "Six x plus three y minus two x minus seven y "	4x - 4y	Five x to the fourth power plus five fourths
$5x^4 + \frac{5}{4}$	7 - (- 7)	The difference between the terms seven and minus seven	- 20 + 4x
Write without brackets: "Minus four times, open the bracket five minus x close the bracket"	$\frac{1}{2} - \frac{x^2}{4}$	One half minus one fourth of x squared	x to the power of four minus one

$x^4 - 1$	$4(x - y)$	Factor: "Four x minus four y "	2 and $\frac{1}{2}$
Find two reciprocal numbers	Two plus x in brackets cubed	$(2 + x)^3$	Ninety-nine divided by three equals thirty-three
$99 \div 3 = 33$	the reciprocal of $\frac{1}{18}$	If you divide six by one third, you get...	The square root of five plus one is less than four
$\sqrt{5} + 1 < 4$	$5x^2$	Five times x squared	$13 + (-13)$
The sum of the terms thirteen and minus thirteen	$(x - 1)^4$	x minus one, to the power of four	Four x to the fifth power plus four fifths
$4x^5 + \frac{4}{5}$	If you subtract one third from seven, you get...	$6\frac{2}{3}$	Multiply out the brackets: "Two x times minus x plus three in brackets"
$-2x^2 + 6x$	$\frac{1}{4} - \frac{x^2}{2}$	A quarter minus one half of x squared	The quotient of thirty by minus thirty
$\frac{30}{-30}$	Solve the equation: "Two x minus three is equal to negative x "	$2x - 3 = -x$ $3x = 3$ $x = 1$	x over the sum of five and x
$\frac{x}{x + 5}$	END	Deal your cards. Keep your own cards secret. The learner with the "start card" starts the game by reading out this first card, and then places it on to the table face up. The person with the corresponding expression places his card next to the first card and reads aloud the second part of the card to all.	