

0. Find an expression for each sentence:

"x plus 1."

$x+1$

"x plus 2."

$x+2$

$x+3$

"x plus 3."

$x+4$

"x plus 4."

"x add 1."

$x+1$

"x add 2."

$x+2$

$x+3$

"x add 3."

$x+4$

"x add 4."

"x times 1."

x

"x times 2."

$2x$

"x times 3."

$3x$

"x times 4."

$4x$

"x multiplied by 1."

x

"x multiplied by 2."

$2x$

"x multiplied by 3."

$3x$

"x multiplied by 4."

$4x$

"x subtract 1."

$x-1$

$x-2$

"x subtract 2."

$x-3$

"x subtract 3."

$x-4$

"x subtract 4."

"x minus 1."

$x-1$

$x-2$

"x minus 2."

$x-3$

"x minus 3."

$x-4$

"x minus 4."

"x over 1."

x

"x over 2."

$\frac{x}{2}$

"x over 3."

$\frac{x}{3}$

"x over 4."

$\frac{x}{4}$

"2 x divided by 1."

x

"2 x divided by 2."

$\frac{x}{2}$

"2 x divided by 3."

$\frac{x}{3}$

"2 x divided by 4."

$\frac{x}{4}$

"2 x subtract 1."

$2x-1$

$2x-2$

"2 x subtract 2."

$2x-3$

"2 x subtract 3."

$2x-4$

"2 x subtract 4."

"2 x minus 1."

$2x-1$

$2x-2$

"2 x minus 2."

$2x-3$

"2 x minus 3."

$2x-4$

"2 x minus 4."

- 1 A rubber costs 10 pence more than a pencil. Complete the table:

Cost of 1 pencil (pence)	Cost of 1 rubber (pence)	Cost of 1 pencil and 1 rubber (pence)
1	11	12
2	12	14
3	13	16
4	14	18
5	15	20
6	16	22
7	17	24
8	18	26
9	19	28
10	20	30
11	21	32
12	22	34
20	30	50
45	55	100
70	80	150
95	105	200
145	155	300
195	205	400
245	255	500

- 2 A plate costs 10 pence more than a fork. If a fork costs x pence, write an expression in terms of x for the cost of a plate in pence.

$$x + 10$$

- 3 A cat costs 10 pence more than a dog. If a dog costs x pence, write an expression in terms of x for the cost of a cat in pence.

$$x + 10$$

4 I think of a number, multiply it by a and then add b . Complete the table:

Original number	a	b	Result
1	1	1	2
1	1	2	3
2	1	1	3
2	1	2	4
1	2	1	3
1	2	2	4
2	2	1	5
2	2	2	6
1	1	1	2
2	1	1	3
3	1	1	4
4	1	1	5
0	1	2	2
1	1	2	3
2	1	2	4
3	1	2	5
1	2	1	3
2	2	1	5
3	2	1	7