

 <p>Multiply these remember numbers first then letters. $d \times d = d^2$ not $2d$</p>	 <p>Divide these, remember that \div is the same as $\frac{\quad}{\quad}$ Simplify numbers when you can</p>	 <p>Multiply the outside letter or number by the inside parts separately. This is called 'expanding'.</p>
1 $2 \times a$	Example $9 \times m \div 3 = \frac{9m}{3} = 3m$	Example 1 $5(w + 10) = 5w + 50$
2 $c \times 3$	21 $c \div 7$	Example 2 $3a(a - 5) = 3a^2 - 15a$
3 $4 \times e \times 2$	22 $2 \times g \div 3$	33 $4(c + 6)$
4 $2 \times f \times 5$	23 $\frac{15 \times k}{3}$	34 $6(m + 3)$
5 $3 \times 4 \times u$	24 $22 \times e \div 4$	35 $5(c - 8)$
6 $8 \times h \times 2$	25 $7 \times b \div 7$	36 $7(3d + 2)$
7 $3 \times x \times y$	26 $4 \times f \div 8$	37 $h(h + 2)$
8 $7 \times t \times k$	27 $18 \times a \div 6$	38 $e(k + e)$
9 $g \times 2 \times g$	28 $\frac{45 \times y}{9}$	39 $5n(n - 11)$
10 $a \times b \times c$	29 $50d \div 10$	40 $3x(x - 3)$
11 $q \times u \times q \times 7$	30 $9e \div 6$	41 $k(m + d)$
12 $n \times 5 \times 3 \times n$	31 $\frac{35y}{10}$	42 $3w(a + 2)$
13 $x \times 4 \times t$	32 $48a \div 3$	43 $2q(3q - 2)$
14 $10 \times z \times q$		44 $8e(7e + 3)$
15 $h \times 3 \times b \times 4$		45 $2m(e + 2m)$
16 $6 \times n \times n \times b$		46 $9w(w - 4)$
17 $e \times e \times t \times t$		47 $a^2(b + c)$
18 $d \times a \times d \times 3$		48 $x^2(d^2 + t^2)$
19 $9 \times 6 \times t \times t$		49 $3u(2 - t^2)$
20 $v \times v \times 3 \times y$		