

Multiplying, Dividing and Using Brackets with Pronumerals



Multiply these remember numbers first then letters.
 $d \times d = d^2$ not $2d$

- 1 $2 \times a$
- 2 $c \times 3$
- 3 $4 \times e \times 2$
- 4 $2 \times f \times 5$
- 5 $3 \times 4 \times u$
- 6 $8 \times h \times 2$
- 7 $3 \times x \times y$
- 8 $7 \times t \times k$
- 9 $g \times 2 \times g$
- 10 $a \times b \times c$
- 11 $q \times u \times q \times 7$
- 12 $n \times 5 \times 3 \times n$
- 13 $x \times 4 \times t$
- 14 $10 \times z \times q$
- 15 $h \times 3 \times b \times 4$
- 16 $6 \times n \times n \times b$
- 17 $e \times e \times t \times t$
- 18 $d \times a \times d \times 3$
- 19 $9 \times 6 \times t \times t$
- 20 $v \times v \times 3 \times y$

Divide these, remember that \div is the same as $\frac{\quad}{\quad}$
Simplify numbers when you can

Example $9 \times m \div 3 = \frac{9m}{3} = 3m$

- 21 $c \div 7$
- 22 $2 \times g \div 3$
- 23 $\frac{15 \times k}{3}$
- 24 $22 \times e \div 4$
- 25 $7 \times b \div 7$
- 26 $4 \times f \div 8$
- 27 $18 \times a \div 6$
- 28 $\frac{45 \times y}{9}$
- 29 $50d \div 10$
- 30 $9e \div 6$
- 31 $\frac{35y}{10}$
- 32 $48a \div 3$



Multiply the outside letter or number by the inside parts separately. This is called 'expanding'!

Example 1 $5(w + 10) = 5w + 50$

Example 2 $3a(a - 5) = 3a^2 - 15a$

- 33 $4(c + 6)$
- 34 $6(m + 3)$
- 35 $5(c - 8)$
- 36 $7(3d + 2)$
- 37 $h(h + 2)$
- 38 $e(k + e)$
- 39 $5n(n - 11)$
- 40 $3x(x - 3)$
- 41 $k(m + d)$
- 42 $3w(a + 2)$
- 43 $2q(3q - 2)$
- 44 $8e(7e + 3)$
- 45 $2m(e + 2m)$
- 46 $9w(w - 4)$
- 47 $a^2(b + c)$
- 48 $x^2(d^2 + t^2)$
- 49 $3u(2 - t^2)$