

Expanded Form using Exponents

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
1 000 000	100 000	10 000	1 000	100	10	1
$10 \times 10 \times 10 \times 10 \times 10 \times 10$	$10 \times 10 \times 10 \times 10 \times 10$	$10 \times 10 \times 10 \times 10$	$10 \times 10 \times 10$	10×10	10	
10^6	10^5	10^4	10^3	10^2	10^1	10^0

We can express multiples of ten in power form.
Here are some examples:

$1\,000 = 10 \times 10 \times 10$ $= 10^3$	$3\,000 = 3 \times 1\,000$ $= 3 \times 10^3$
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$100 = 10 \times 10$ $= 10^2$	$500 = 5 \times 100$ $= 5 \times 10^2$
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$10 = 10^1$	$70 = 7 \times 10^1$
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$1 = 10^0$	$8 = 8 \times 10^0$
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So,

$$328 = (3 \times 10^2) + (2 \times 10^1) + (8 \times 10^0)$$

$$8\,214 = (8 \times 10^3) + (2 \times 10^2) + (1 \times 10^1) + (4 \times 10^0)$$

