

Record numbers using expanded notation



Expanded notation shows the amount each digit is worth because of its place in a number. For example, in 287 we know that there are 2 lots of 100, because the 2 is in the hundreds position.



Expanding numbers helps children to understand numbers better and helps build confidence in doing calculations in their head.



Write 56 276 in expanded notation

Answer: 50 000 + 6 000 + 200 + 70 + 6

Write 142 081 in expanded notation

Answer: 100 000 + 40 000 + 2 000 + 80 + 1

Make an expanded notation machine with cups or a paper snake

Remember to use numbers where the 0 is being used as a place holder. Numbers like 3 085 where there are 3 thousands, no hundreds, 8 tens and 5 ones.



WEB LINKS go to:

[Video: Expanded form and expanded notation](#)

[Video: Expanded notation cups](#)