$x^3-216=x^3-6^3$ , and a binomial in the form  $a^3-b^3$  can be factored as  $(a-b)\Big(a^2+ab+b^2\Big)$ . The missing number is the value of  $b^2$ , so it cannot be negative. Whenever you factor, remember to check your answer by multiplying the factors back together.