

Tutorial Set 18 – From LEAP Math Test 2016- Grade 6

1. The number of pens that Mason has can be described by the expression $2n + 9$ where n is the number of pens in an unopened package of pens.

Select **all** the expressions that could also be used to represent the number of pens that Mason has.

- a. $11n$
 - b. $2(n+2^9)$
 - c. $2(n+8) + 1$
 - d. $n + n + 9 + 9$
 - e. $(0.5)(4n) + (0.5)(18)$
2. What is $437/19$?
- a. 13
 - b. 19
 - c. 22
 - d. 23
3. The tallest mountain in North America is Mount Denali. The height of Mt. Denali is 20,322 feet above sea level. The height of every mountain in North America can be expressed as an inequality. Which inequality represents the height, h , in feet, of every mountain in North America?
4. The tallest mountain in North America is Mount Denali. The height of Mt. Denali is 20,322 feet above sea level. The height of every mountain in North America can be expressed as an inequality. Which inequality represents the height, h , in feet, of every mountain in North America?
- a. $h < 20,322$
 - b. $h > 20,322$
 - c. $h \leq 20,322$
 - d. $h \geq 20,322$
5. Jack waxes his father's car and waxes $2/3$ of the car with $1/4$ can of wax. How much wax is needed to wax the entire car?
- a. $1/8$
 - b. $1/6$
 - c. $3/8$
 - d. $3/4$