

1.1 Variables and Expressions

EX: Write an algebraic expression for each verbal expression.

A. 13 less a number

$$\boxed{13 - x}$$

B. 13 less than a number

$$\boxed{x - 13}$$

C. 9 more than the quotient of b and 5. $\boxed{9 + \frac{b}{5}}$

D. n cubed divided by 2. $\boxed{\frac{n^3}{2}}$

EX: Evaluate the following.

A. 4^3

B. 2^6

$$4 \cdot 4 \cdot 4 = \boxed{64}$$

$$2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 = \boxed{64}$$

EX: Write a verbal expression for each algebraic expression.

A. $\frac{1}{2}n^3$

B. $a^2 - 18b$

$\boxed{\text{one half of } n \text{ cubed}}$

$\boxed{\text{a squared minus the product of 18 and } b.}$