Write an algebraic expression for "the sum of n and 8."

"Sum" indicates addition. Add the first number, n, and the second number, 8. n + 8

EXAMPLE Define a variable and write an algebraic expression for "ten more than twice a number."

Relate: ten more than

twice

a number

Define: Let |y| = the number.

Write:

 $2 \cdot |v| + 10$

2v + 10

EXAMPLE Write an equation to show the total income from selling tickets to a school play for \$5 each.

Relate:

The total income is 5 times the number of tickets sold.

Define: Let |t| = the number of tickets sold.

Let |I| = the total income.

Write:

5 ·

t

i = 5t

Write an equation for the data in the table.

કેટ્સાઇ ાઇ કેટ	4 (3 8	10
Miles	80 12	0 160	200

Relate:

| Miles traveled | equals 20 times

the number of gallons.

Define: Let |m| = the number of miles traveled.

Let |g| = the number of gallons.

Write:

m

20 .

q

m = 20g