

[2-3]: Word Problems into Expressions and Equations.

- Key Word Chart Needed

Ex 1: Turn the word phrase into an algebraic expression/equation

- Eight less than three times a number is -23
- Thirteen is 7 more than one-fifth of a number
- The difference between 12 and $\frac{2}{3}$ of a number is 18
- 10 more than half the number is 19

Ex. 2: Word Problems

GOAL:

- You buy 3 books that each cost the same amount and a magazine, all for \$55.99. You know that the magazine costs \$1.99. How much does each book cost?
- The Parker family drove a total of 180 miles on their road trip. This distance is 1.5 times the distance they drove on the first day. How many miles did the Parker family drive on the first day?

c. A personal trainer buys a weight bench for \$500 and w weights for \$24.99 each. The total cost of the purchase is \$849.86. How many weights were purchased?

d. The current temperature is 54 degrees. It is expected to rise 2.5 degrees each hour. In how many hours will the temperature be 84 degrees?