Equation
Unit 10.1   **Word Problems on Equations Part I**

1. Write an equation and solve.

a. x equals 8 times $\dfrac{3}{4}$.

h. 5 and x makes 8.

b. 2 times x equals 5.

i. x added to $\dfrac{2}{3}$ equals - $\dfrac{1}{4}$.

c. $\dfrac{2}{5}$ times x equals 15.

j. Adding x to $\dfrac{1}{3}$ makes $\dfrac{3}{5}$.

d. 20 equals 5 times x.

k. Subtracting 4 from x makes 7.

e. x equals 6 divided $\dfrac{2}{3}$.

l. x subtracted from $\dfrac{2}{3}$ equals $\dfrac{1}{4}$.

f. x divided by 2 equals $\dfrac{13}{8}$.

m. x subtracted from $\dfrac{5}{6}$ equals - $\dfrac{1}{2}$.

g. 12 equals x divided by 9.

n. Subtracting 9 from x makes -12.

Equation
Unit 10.2 **Word Problems on Equations Part II**

2. Use the table to express the following sentences as equation and then solve.

Operation	+	-	×	÷	=
Algebraic Expression	$m + 3$	$r - 2$	$7.k$	$x \div 5$	$=$
Words	3 added to m. m plus 3. the sum of m and 3. 3 more than m.	2 subtracted from r. r minus 2. the difference of r and 2. take away 2 from r.	7 times k. 7 multiplied by k. the product of 7 and k. 7 groups of k.	x divided by 5. the quotient of x and 5.	equal is make

a. 3x added to 5 equals 4.

b. 2x equals 6 added to x.

c. One-half of x is 8 less than $\frac{2}{5}$ of x.

d. 20 less than 3x is -10.

e. 5 times x is 12 more than x.

f. The product of 3 and x is x less than 20.

g. x is divided by 2 equals x minus 6.

h. The quotient of x and 4 equals 6 more than x.