WORD PROBLEMS

Name_____ Day 1 Date_____

1) Express each: Use X as the "number".

a) The sum of the number and 3 _____

b) The product of 5 and the number _____

c) 3 Less than the number _____

d) Twice the number _____

e) 4 More than 3 times the number _____

f) 5 Less than 6 times the number _____

g) 4 Times the sum of the number and 5 _____

h) 3 times the difference of the number and 6 _____

2) The first number is represented by "X". The second number is 6 more than the first number. Represent the second number

3) The first number is represented by "X". The second number is 3 less than 5 times the first number. Represent the second number.

4) The side off a square is represented by "X". represent the perimeter of the square.

5) The side of an equilateral triangle is represented by "X+3". Represent the perimeter of this triangle.

6) The side of a regular pentagon is represented by "X+4". What is the perimeter of the pentagon?

7) The width of a rectangle is represented by "x" and the length is represented by "2X+5". What is the perimeter of the rectangle?

8) There are six numbers. The second number is 8 more than the first number. The third number is twice the first. The fourth number is 2 less than the first number. The fifth number is 5 more than 3 times the first number, and the sixth number is 3 less than 4 times the first number, Represent the following:

= 1st number

= 2nd number

= 3rd number

= 4th number

= 5th number

= 6th number

= sum of the numbers

9) The length of a rectangle is 4 less than twice the width. Complete the following;

= Width

= Length

= The perimeter

= The area

DAY 2

Jul 6-10:08 AM

1)In a child's coin bank, there is a collection of nickels, dimes, and quarters that amount $3.20. There are 3 times as many quarters as nickels, and 5 more dimes than nickels. How many coins of each kind are there?

Let x

Kind of Coin	Value of Coin	Number of Coins	=	Total

Dec 8-8:25 AM

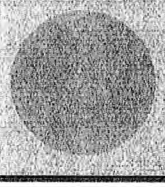
2) May has 3 times as many dimes as nickels. In all she has $1.40. How many coins of each type does she have?

Let x

Kind of Coin	Value of Coin	Number of Coins	=	Total

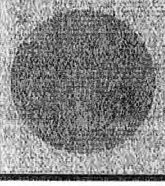
Dec 8-8:33 AM

3) Mr. Jantzen bought some cans of soup at $0.39 per can, and some packages of frozen vegetables at $0.59 per package. He bought twice as many packages of vegetables as cans of soup. If the total bill was $9.42, how many cans of soup did he buy?



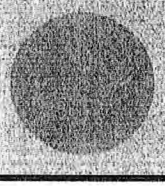
Dec 8-8:39 AM

4) Roy has $6.45 in coins. He has 3 less nickels than half-dollars. Find the number of coins.



Dec 14-7:59 AM

5) Jasmine has 40 coins in dimes and quarters. Their total is $8.20. How many coins are there of each type.



Dec 14-8:07 AM

A person has 8 coins consisting of nickels and half dollars. If the total amount of money is $1.75, how many of each coin are there?

Dec 14-8:10 AM

A person has 12 coins consisting of nickels and quarters. If the total amount of money is $2.60, how many of each coin are there?

Dec 14-8:12 AM

Name: _____
Day 3

1) A bank contains 30 coins, consisting of nickels, dimes, and quarters. There are twice as many nickels as quarters and the remaining coins are dimes. If the total value of the coins is $3.35, what is the number of each type of coin in the bank? [*Show or explain the procedure used to obtain your answer.*]

2) Susan's change purse contains quarters, dimes, and nickels. She has twice as many nickels as quarters and four more nickels than dimes. She has a total amount of $5.10. How many coins of each kind does Susan have in her purse? [*Show all work.*]

3) Ben has half as many dimes as he has nickels, and four times as many nickels as he has quarters. If he has a total of $5.85, what monetary value does he have in dimes?

4) A child's coin bank contains nickels, dimes, and quarters. There are three times as many nickels as dimes and there are five more quarters than nickels. The total value of the coins in the bank is $6.25. Find the number of each type of coin.

5) If the sum of three consecutive even integers is 78, find the integers.

6) Find three consecutive even integers whose sum is 48.

7) Find three consecutive odd integers whose sum is 45.

8) Find three consecutive odd integers such that the sum of the first and twice the second is 6 more than the third.

Name: _____

Day 3 Homework

1) Find three consecutive integers whose sum is 300.

2) Find three consecutive odd integers whose sum is -33.

3) Colin has a pocketful in change totaling $4.92, with equal amounts of pennies, nickels, dimes, and quarters. How many total coins does he have in his pocket?

Name: _____

Day 4 Test Review

1) Which equation could be used to solve the problem below?

If three times a number is increased by 24, the result is 4 less then seven times the number.

2) Ben has half as many dimes as he has nickels, and four times as many nickels as he has quarters. If he has a total of $5.85, what monetary value does he have in dimes?

3) Find three consecutive even integers such that when the first integer is multiplied by the third integer, the result is 2 more than 5 times the second integer. [*Only an algebraic solution will be accepted.*]

4) The length of a rectangle is represented by x. If the width of the rectangle is 3 less than its length, what expression represents the area of the rectangle?

5) Twice the sum of a number and 4 is equal to 22. What is the number?

6) A movie theater charges $7 for an adult's ticket and $4 for a child's ticket. On a recent night, the sale of child's tickets was three times the sale of adult's tickets. If the total amount collected for ticket sales was not more than $2,000, what is the *greatest* number of adults who could have purchased tickets? [*Show or explain the procedure used to obtain your answer.*]

7) William has $12.80 in coins to be deposited in the bank. There are 3 times as many quarters as nickels and 20 more dimes than nickels. If n represents the number of nickels, what equation could be used to find the number of nickels to be deposited.

8) Find three consecutive integers whose sum is -57.

9) Find three consecutive odd integers such that the sum of the first and twice the second is 6 more than the third.

10) Three times the smallest of three consecutive even integers is six more than twice the largest. Find the integers.

Name: _____

Day 4 Test Review

1) Which equation could be used to solve the problem below?

If three times a number is increased by 24, the result is 4 less then seven times the number.

2) Ben has half as many dimes as he has nickels, and four times as many nickels as he has quarters. If he has a total of $5.85, what monetary value does he have in dimes?

3) Find three consecutive even integers such that when the first integer is multiplied by the third integer, the result is 2 more than 5 times the second integer. [*Only an algebraic solution will be accepted.*]

4) The length of a rectangle is represented by x. If the width of the rectangle is 3 less than its length, what expression represents the area of the rectangle?

5) Twice the sum of a number and 4 is equal to 22. What is the number?

6) A movie theater charges \$7 for an adult's ticket and \$4 for a child's ticket. On a recent night, the sale of child's tickets was three times the sale of adult's tickets. If the total amount collected for ticket sales was not more than \$2,000, what is the *greatest* number of adults who could have purchased tickets? [*Show or explain the procedure used to obtain your answer.*]

7) William has \$12.80 in coins to be deposited in the bank. There are 3 times as many quarters as nickels and 20 more dimes than nickels. If n represents the number of nickels, what equation could be used to find the number of nickels to be deposited.

8) Find three consecutive integers whose sum is -57.

9) Find three consecutive odd integers such that the sum of the first and twice the second is 6 more than the third.

10) Three times the smallest of three consecutive even integers is six more than twice the largest. Find the integers.