Name:

ANSWELS!

Period:











Encouragement

Solving Problem Together

ing Problem Together

Lesson 10-5 Classwork

Calculators OK

Original Amount
$$\left(\begin{array}{cc} 1+/- & \begin{array}{c} \text{Decimal} \\ \text{Percent} \end{array}\right) = \begin{array}{c} \text{New} \\ \text{Amount} \end{array}$$

Question 01

The Rangers football team won 12 games this year, which represents an increase of 20% from last year. How many games did the football team win last year?

Question 02

The Knights football team won 12 games this year, which represents a decrease of 20% from last year. How many games did the football team win last year?

year?
$$(1-0.2)=12$$
 $(2.8=12)$
 $(3.8=12)$

Question 03

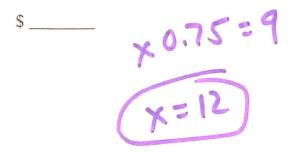
A dress is on sale for \$25.50. This represents a discount of 25%. What was the original price?

Question 04

A store buys a jacket from a designer, then applies a 20% markup to the price, then sells the jacket to its customers for \$117.60. What was the price paid to the designer?

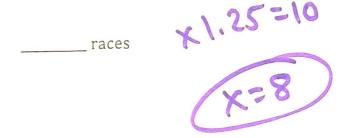
Question 05

A hat is on sale for \$9. This represents a decrease of 25%. What was the original price?



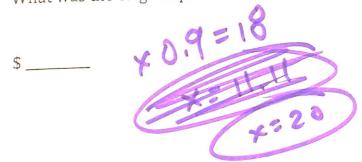
Question 06

A swimming team won 10 races at a swimming competition this month. This represented a 25% improvement from last month's competition. How many races did the team win last month?



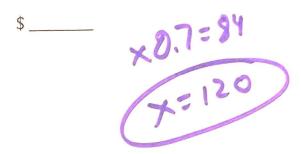
Question 07

A volleyball is on sale for \$1. This represents a decrease of 10%. What was the original price?



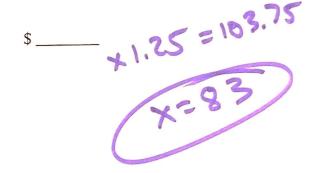
Question 08

A share of stock is now worth \$84, which represents an decrease of 30% from last year. What was the price of the stock last year?



Question 09

A share of stock is now worth \$103.75, which represents an increase of 25% from last year. What was the price of the stock last year?



Question 10

A share of stock is now worth \$42, which represents an increase of 20% from last year. What was the price of the stock last year?

