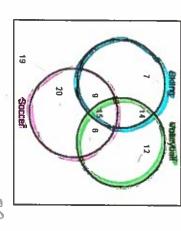
Teacher:	Name :
Date :	Score:

Answer the Questions Based on the Venn Diagram



- 1) How many students do not like either Skiling or Volleyball ?
- 2) How many students like Volleyball or Soccer? $\overline{}$
- 3) How many students like both sking and Boccer but not Volleyball ?
- 4) How many students only like Skling?
- 5) How many students do not like either Volleyball or Soccer? $\frac{26}{}$
- 6) How many students like Skling or Soccer but not Volteyball ? $\frac{36}{28}$ 7) How many students like Volleyball or Soccer but not Skling ? $\frac{36}{28}$
- 8) How many students like Skling or Soccer?
- 9) How many students like both Skiing and Soccer ? 24
- 10) How many students do not like both Siding and Volleyball ? 13

±. Math-Aids.Com

Venn Diagrams

Create a venn Diagram for the following information then answer the questions.

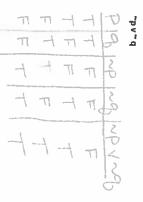
A survey of used car salesmen revealed the following information: PLS_24 wear white patent-leather shoes
28 wear plaid trousers

2 wear neither

How many were surveyed? 34

How many wear plaid trousers but don't wear whit patent-leather shoes?

Create a truth table for the following problems





Conversions

Convert 26,500 inches to miles

How many cords of wood could you fit in a room that is 4 yards long, 4 yards wide and 2 yards high?

Your hotel rate in Tokoyo is 31,000 yen per night. What is the nightly rate in US dollars?

If your car gets 28 miles per gallon, how much does it cost to drive 250 miles when gasoline costs \$2.90 per gallon? How many gallons do you need to complete the drive?

as
$$250/a8 = 8.9 \, \text{gall}$$
 $8.9 \, (2.90) \approx 25.81 \, (\text{RoundED})$

Percentages

Find the absolute change and the relative (percent) change for each problem.

The average sale price of a house in the US decreased from \$301,000 in February 2008 to \$152,000 in

February 2013
$$152,000-301,000 = -149,000 \times 100 \approx -49.5\%$$

The annual interest rate for Jacks savings account increased from 2.3% to 2.8%

In 2014, Georgia's average pay for new teachers was \$36,750 and in Texas, the average pay for new teachers was \$45,000. Compare Georgia's pay to Texas in both absolute and relative terms.

$$36.750 - 45.000 = -\frac{8250}{45000} \times 100 = -18.33\%$$

The largest single-day point loss of the Dow Jones Industrial Average occurred on September 29, 2008, when the market lost 778 points and closed at 10,365. What was the percentage loss?

The 2410 women undergraduates at the college comprise 54% of all undergraduates attend the college?

$$x(.54) = 2410$$
 $x = 4462.9$ ≈ 4463