Name: _____

Problem Solving Using Equations

Solve each problem

1) What is 50% of 20?

2) What is 50% of 350?

3) What is 25% of 32?

4) What is 25% of 60?

5) What is 75% of 60?

6) What is 75% of 120?

7) 18 is 50% of what number?

8) 92 is 50% of what number?

9) 10 is 25% of what number?

10) 30 is 75% of what number?

11) 14 is 50% less than n.

12) 55 is 10% more than n.

13) What is 30% more than 30?

14) What is 75% less than 80?

15) What percent of 11 is 6?

16) What percent of 80 is 60?

17) A number x increased by 40% is equal to 14.

18) A number x decreased by 20% is equal to 16.

19) The price in dollars (p) plus 5% tax is equal to $3.15.

20) The price in dollars (p) minus a 15% discount is $3.40.

21) A price decreased from $50 to $40. Find the percent of decrease.

22) A price increased from $40 to $50. Find the percent of increase.

23) An item priced $36 has 25% discount. Find the discount price.

24) Sales tax of 6% is added to a purchase of $11. Find the total price.

25) Wafa paid $92.04 for new school clothes. This included 4% sales tax. What was the cost of the clothes before taxes?

26) Mazen paid $13.96 for a new shirt, after receiving a 20% discount. What was the price before the discount?