MATH 0030
(Section 5.3 – Day
1) 11/16

Name _____

For problems 1 – 9, write the given number in the indicated form. (See pages 416 – 419, Examples 2 – 8 in your text.)

1. 0.25 as a percent

2. 18% as a decimal

3. 0.2% as a fraction

4. 60% as a fraction

5. 0.062 as a percent

6. 17.9% as a decimal

7. $\frac{3}{4}$ as a percent

8. $5\frac{3}{4}\%$ as a decimal

9. $\frac{7}{9}$ as a percent, rounded to the nearest tenth of a percent

10. The percents in the table below are used commonly in everyday business. Fill in the following decimal and fraction forms.

Percent	Decimal	Fraction
10%		
25%		
50%		
100%		

11. The whole class is here today. Express the "whole class" as a percent.

12. $\frac{2}{5}$ of the students work part time. Express this fraction as a percent.

13. The table below shows why children aged 9 – 13 go on-line.

Reason for Going On-line	Percent
Chat with others	45%
Play games	40%
Information for fun	38%
Information for school	28%
E-mail	20%
Other/Don't know	11%

a) How many children out of every 100 surveyed said they go on-line in order to get information for school?

b) Do more children go on-line to play games or to get information for fun?

c) Did each child surveyed give only one response or did they give multiple responses? Explain how you arrived at your answer.

For problems 14 - 19, do the work mentally.

14. What is 50% of 60?

15. $\frac{5}{8}$ is 100% of what number?

16. What is 25% of 50?

17. What is 10% of 111?

18. What is 200% of 60?

19. 12 is 25% percent of what number?

20. Harry paid $21,400 for his car when it was new. After three years, it is worth only 50% of its original value. What is its dollar value after three years?