| **Int 1** | **Unit 8 Review Sheet** | **Unit 8** |

Write the fractions as decimals and then as percents.

$$\frac{14}{15}$$
$$6\frac{7}{16}$$

1) Decimal = _____   **2)** Percent = _____   **3)** Decimal = _____   **4)** Percent = _____

Write the percents as decimals and then as simplified fractions.

   246%   0.865%

5) Decimal = _____   **6)** Fraction = _____   **7)** Decimal= _____   **8)** Fraction = _____

Write the decimals as a percent and then as simplified fractions.

   0.83   2.07

9) Percent = _____   **10)** Fraction = _____   **11)** Percent = _____   **12)** Fraction = _____

Solve:

13) 65% of 140?   **14)** 97% of 25?   **15)** 84% of 263   **16)** 143% of 71

Estimate to the nearest whole number:

17) 53% of 66?   **18)** 99% of 36?   **19)** 18% of 351   **20)** 69% of 30

Use percent proportions to solve. Round to the tenths place.

21) 55 is what percent of 140?   **22)** What number is 23% of 25?   **23)** 88 is 60% of what number?

Use percent proportions to solve. Round to the tenths place.

24) What percent of 400 is 16?   **25)** What number is 4% of 45?   **26)** 62.5 is 60% of what number?

Find the percent of change and whether the amount *increased* or *decreased*. Round to the nearest whole percent.

27) 40 hours to 63 hours   **28)** $21,000 to $15,600   **29)** 30 books to 71 books

Find the percent of change and whether the amount *increased* or *decreased*. Round to the nearest whole percent.

30) A stereo was originally sold for $150, but then it was put on sale for $135. Find the percent of change.

31) The average cost per month of a 2-bedroom apartment in Grayson was $625 last year. This year the average cost is $650. What is the percent of increase from last year to this year?

Solve. Label and round your answers to the hundredths place when necessary.

32) A book costs $20. The sales tax is 6%. What is the price of the book after the sales tax is added?

33) The cost of Ken's car wash was $23.95. If he wants to give his detailer a 15% tip, about how much of a tip should he leave?

Solve. Label and round your answers to the hundredths place when necessary.

34) Jon bought a collectible comic book for $49.62 last year. This year he found out it is worth 28% more. How much is it worth this year?

37) A new radio is priced at $30. An electronic store has an end-of-the-year sale. All of the items in the store are discounted by 40%. What is the sale price of the radio?

35) Jane received the bill for dinner totaling $63.08. She paid $75, which included the tip. What was the percent of the tip? Round to the nearest whole percent.

38) Anna deposited $450 into a savings account earning 3.75% simple interest. What amount of interest will she earn in 6 years?

36) Mei buys a suit marked $60. She receives a 33% discount. Find the selling price of the suit.

39) Find the simple interest on $900 at 8% for 4 years.

What is the original price of each item. Round to the hundredths place

40) A boat is on sale for $13,800. This is 45% of the original price. What is the original price of the boat?

41) A shirt is on sale for $12.48. This is 60% of the original price. What is the original price of the shirt? .

42) A pie is on sale for $6.80. This price reflects a 32% discount. What is the original price of the pie?