

LESSON
8-1**Understanding Percent****Practice and Problem Solving: A/B**

Write each percent as a fraction in simplest form and as a decimal to the nearest hundredth.

- | | | |
|-----------------------|-------------------------------------|-----------------------|
| 1. 30% _____
_____ | 2. 42% _____
_____ | 3. 18% _____
_____ |
| 4. 35% _____
_____ | 5. 100% _____
_____ | 6. 29% _____
_____ |
| 7. 56% _____
_____ | 8. $66\frac{2}{3}\%$ _____
_____ | 9. 25% _____
_____ |

Write each decimal or fraction as a percent.

- | | | |
|-------------------------|---------------------------|--------------------------|
| 10. 0.03 _____ | 11. 0.92 _____ | 12. 0.18 _____ |
| 13. $\frac{2}{5}$ _____ | 14. $\frac{23}{25}$ _____ | 15. $\frac{7}{10}$ _____ |

Solve.

16. Bradley completed $\frac{3}{5}$ of his homework. What percent of his homework

does he still need to complete? _____

17. After reading a book for English class, 100 students were asked whether or not they enjoyed it. Nine twenty-fifths of the class did not like the book. How many students liked the book?

18. At a concert, 20% of the people are wearing black dresses or suits, $\frac{1}{4}$ are wearing navy, 0.35 are wearing brown, and the rest are wearing a variety of colors (other). Write the percent, fraction, and decimal for each color clothing.

black _____

navy _____

brown _____

other _____