

Independent Practice

Go online for Step-by-Step Solutions



Write an equation for each problem. Then solve. Round to the nearest tenth if necessary. (Examples 1–3)

1. 75 is what percent of 150? _____

2. 84 is 60% of what number? _____

3. What number is 65% of 98? _____

4. Find 39% of 65. _____

5. Find 24% of 25. _____

6. What number is 53% of 470? _____

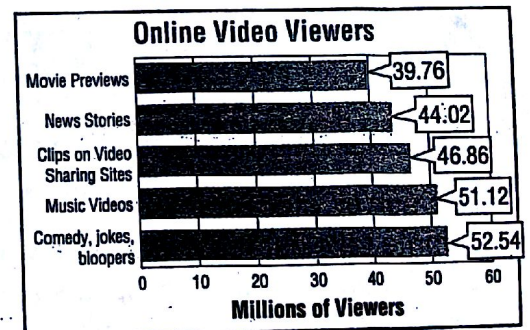
7. Ruben bought 6 new books for his collection. This increased his collection by 12%. How many books did he have before his purchases? (Example 4)

8. A store sold 550 video games during the month of December. If this made up 12.5% of its yearly video game sales, about how many video games did the store sell all year? (Example 4)

9 **CCSS** **Persevere with Problems** About 142 million people in the United States watch online videos. Use the graph that shows what type of videos they watch.

a. About what percent of viewers watch comedy, jokes, and bloopers? _____

b. About what percent watch news stories? _____



Write an equation for each problem. Then solve. Round to the nearest tenth if necessary.

10. Find 135% of 64. _____

11. What number is 0.4% of 82.1? _____

12. 450 is 75.2% of what number? _____

13. What percent of 200 is 230? _____



H.O.T. Problems Higher Order Thinking

14. **Model with Mathematics** Write a percent problem for which the percent is greater than 100 and the part is known. Use the percent equation to solve your problem to find the whole.

15. **Persevere with Problems** If you need to find the percent of a number, explain how you can predict whether the part will be *less than*, *greater than*, or *equal* to the number.



Standardized Test Practice

16. In a survey, students were asked to choose their favorite take-out food. The table shows the results.

Based on these data, predict how many out of 1,800 students would choose sandwiches.

- (A) 504 (C) 680
(B) 576 (D) 720

Type of Food	Percent
Pizza	40
Sandwiches	32
Chicken	28