

Practice

Express as percents.

Choose 5

1. $\frac{17}{100}$ 2. $\frac{27}{100}$ 3. $\frac{7}{100}$ 4. $\frac{29}{100}$
 5. $\frac{99}{100}$ 6. $\frac{63}{100}$ 7. $\frac{33}{100}$ 8. $\frac{1}{100}$

Complete the following.

Choose 3

9. $\frac{1}{2} = \frac{\square}{100}$ 10. $\frac{31}{50} = \frac{\square}{100}$
 11. $\frac{7}{10} = \frac{\square}{100}$ 12. $\frac{25}{25} = \frac{\square}{100}$

Complete the following.

Choose 3

13. $0.65 = \frac{\square}{100}$ 14. $0.7 = \frac{\square}{100}$
 15. $0.01 = \frac{\square}{100}$ 16. $0.99 = \frac{\square}{100}$

Write each fraction as a percent.

Choose 3

17. $\frac{7}{10}$ 18. $\frac{9}{20}$ 19. $\frac{3}{50}$
 20. $\frac{15}{45}$ 21. $\frac{120}{1000}$ 22. $\frac{500}{10,000}$

Complete the following.

23. $0.3 = \frac{\square}{100} = \square\%$
 24. $0.9 = \frac{\square}{100} = \square\%$
 25. $0.33 = \frac{\square}{100} = \square\%$

} Do all 3

Write each decimal as a percent.

Choose 3

26. 0.4 27. 0.8 28. 0.75
 29. 0.01 30. 0.055 31. 0.635

Replace each \bullet with $<$, $>$, or $=$ to make each statement true.

Choose 3

32. $0.25 \bullet 30\%$ 33. $\frac{1}{3} \bullet 30\%$
 34. $\frac{3}{4} \bullet 75\%$ 35. $0.35 \bullet 40\%$
 36. $\frac{27}{50} \bullet 52\%$ 37. $\frac{7}{10} \bullet 80\%$

Problems and Applications

Choose 4

38. About 12 000 people voted in an election. About 16 000 people could have voted. What percent of the people voted?

39. The table shows the numbers of students in the grades 6, 7, and 8 classes.

Grade	Number of Students
6	12 girls 14 boys
7	20 girls 12 boys
8	16 girls 26 boys

- a) What percent of the students are in grade 6?
 b) What percent of the students are in grade 8?
 c) What percent of all the students are girls?
 d) What percent of grade 7 students are boys?

40. About $\frac{4}{5}$ of the people in Canada live within 160 km of the border with the U.S. What percent of Canadians live at least 160 km from the border?

41. We expect a millipede to have 1000 legs because its name means "a thousand feet." The largest number of legs ever found on a millipede is 750. What percent is this of the expected number?

42. a) In 1991, the average Canadian family spent about 0.45 of its income on various kinds of tax. Express this decimal as a percent.

b) Research and describe the meaning of "Tax Freedom Day."

43. Of the students in your class, what percent

- a) are girls?
 b) are boys?
 c) walk to school?
 d) take a bus to school?