

Percentages Packet

Use a 10-by-10 grid to model the percent.

1. 5%

2. 45%

3. 52%

4. 27%

Write the percent as a fraction or mixed number in simplest form.

5. 20%

6. 25%

7. 65%

8. 44%

9. 32%

10. 9%

11. 250%

12. 120%

13. Describe and correct the error in writing 8% as a fraction.

\times $8\% = \frac{8}{10} = \frac{4}{5}$

Write the fraction or mixed number as a percent.

14. $\frac{6}{25}$

15. $\frac{3}{20}$

16. $\frac{7}{10}$

17. $\frac{3}{4}$

18. $\frac{9}{50}$

19. $\frac{12}{25}$

20. $1\frac{3}{5}$

21. $2\frac{4}{25}$

22. Describe and correct the error in writing $\frac{39}{40}$ as a percent.

$$\times \quad \frac{39}{40} = 0.975 = \frac{9.75}{100} = 9.75\%$$

23. Of the students in your class, 25% walk to school. What fraction of the students walk to school?

Find the percent of the number. Explain your method.

1. 25% of 80 2. 60% of 20 3. 20% of 50 4. 30% of 70

5. 35% of 80 6. 62% of 50 7. 3% of 90 8. 91% of 60

9. 50% of 64 10. 40% of 35 11. 8% of 75 12. 40% of 85

13. 52% of 44 14. 13% of 58 15. 110% of 40 16. 250% of 18

17. Describe and correct the error in finding 4% of 65.

$$\times \quad 4\% \text{ of } 65 = 0.4 \times 65 = 26$$

Find the whole. Explain your method.

18. 20% of what number is 12? 19. 30% of what number is 15?

20. 75% of what number is 24? 21. 65% of what number is 39?

- 22.** Yesterday, 5% of the 120 sixth graders at a school were late. How many sixth graders were late?
- 23.** The sale price of a pair of pants is 65% of the regular price of \$25. How much do you save by buying the pants on sale?
- 24.** Your family drives 126 miles from Key West to the Florida mainland. About 15% of this distance is spent on bridges. How many miles of bridges do you travel over?
- 25.** Before a century plant dies, a tall flower stem grows from its center. The flower stem grows for only two months to reach 40% of a height of 25 feet. How tall is the flower stem after two months?