

Practice 5-2

Estimating With Percents

Estimate each percent using decimals.

1. 6% of 140

2. 18.9% of 44

3. 61% of 180

4. 5.1% of 81

5. $16\frac{1}{2}\%$ of 36

6. 81% of 241

7. 67% of 300

8. 51% of 281

9. 62.9% of 400

Estimate each percent using fractions.

10. 76% of 600

11. 88% of 680

12. 37% of 481

13. 19.1% of 380

14. 41% of 321

15. 33% of 331

16. 83% of 453

17. 76.3% of 841

18. 67.1% of 486

Estimate.

19. Of the 307 species of mammals on the endangered list in 1992, 12.1% of them were found only in the United States. Estimate the number of mammal species in the United States that were on the endangered list.
- _____

20. In 1990, 19% of the people of Mali lived in urban settings. If the population that year was 9,200,000, estimate the number of people who lived in urban settings.
- _____

21. Of the 1,267 students at the school, 9.8% live within walking distance of school. Estimate the number of students within walking distance.
- _____

Puzzle 5-2

Estimating with Percents

Maria built the tip chart below for a project on math in the real world. The problem is that some of the entries in the tip columns are missing! Find the missing percents and use the puzzle at the bottom of the page to check your answers.

Maria's Tip Chart

Estimated Bill	15% tip	20% tip
\$20	\$3.00	\$4.00
\$30	U	\$6.00
\$40	\$6.00	\$8.00
\$50	G	T
\$60	Y	\$12.00
\$70	T	\$14.00
\$80	A	R
\$90	I	\$18.00
\$100	\$15.00	\$20.00

Check your answers below.

Another word for *tip* is _____
 \$7.50 \$16.00 \$12.00 \$10.50 \$4.50 \$13.50 \$10.00 \$9.00