

LESSON
7-7

Practice B

Percents

Write each percent as a fraction in simplest form.

1. 30%

2. 42%

3. 18%

4. 35%

5. 100%

6. 29%

7. 56%

8. 70%

9. 25%

Write each percent as a decimal.

10. 19%

11. 45%

12. 3%

13. 80%

14. 24%

15. 6%

16. Sarah correctly answered 84% of the questions on her math test. What fraction of the test questions did she answer correctly? Write your answer in simplest form.

17. Chloe swam 40 laps in the pool, but this was only 50% of her total swimming workout. How many more laps does she still need to swim?

LESSON
7-8**Practice B****Percents, Decimals, and Fractions****Write each decimal as a percent.**

1. 0.03

2. 0.92

3. 0.18

4. 0.49

5. 0.7

6. 0.09

7. 0.26

8. 0.11

9. 1.0

Write each fraction as a percent.

10. $\frac{2}{5}$

11. $\frac{1}{5}$

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

13. $\frac{1}{20}$

14. $\frac{1}{50}$

15. $\frac{4}{50}$

Compare. Write $<$, $>$, or $=$.

16. 60% _____ $\frac{2}{3}$

17. 0.4 _____ $\frac{2}{5}$

18. 0.5 _____ 5%

19. $\frac{1}{100}$ _____ 0.03

20. $\frac{7}{9}$ _____ 72%

21. $\frac{3}{10}$ _____ 35%

22. Bradley completed $\frac{3}{5}$ of his homework. What percent of his homework does he still need to complete?
_____23. After reading a book for English class, 100 students were asked whether or not they enjoyed it. Nine twenty-fifths of the students did not like the book. How many students liked the book?

LESSON**7-8****Problem Solving****Percents, Decimals, and Fractions****Write the correct answer.**

1. Deserts cover about $\frac{1}{7}$ of all the land on Earth. About what percent of Earth's land is made up of deserts?

2. The Sahara is the largest desert in the world. It covers about 3% of the total area of Africa. What decimal expresses this percent?

3. Cactus plants survive in deserts by storing water in their thick stems. In fact, water makes up $\frac{3}{4}$ of the saguaro cactus's total weight. What percent of its weight is water?

4. Daytime temperatures in the Sahara can reach 130°F! At night, however, the temperature can drop by 62%. What decimal expresses this percent?

Circle the letter of the correct answer.

5. The desert nation of Saudi Arabia is the world's largest oil producer. About $\frac{1}{4}$ of all the oil imported to the United States is shipped from Saudi Arabia. What percent of our nation's oil is that?
A 20%
B 22%
C 25%
D 40%
6. About $\frac{2}{5}$ of all the food produced on Earth is grown on irrigated cropland. What percent of the world's food production relies on irrigation? What is the percent written as a decimal?
F 40%; 40.0
G 40%; 4.0
H 40%; 0.4
J 40%; 0.04
7. About $\frac{3}{25}$ of all the freshwater in the United States is used for drinking, washing, and other domestic purposes. What percent of our fresh water resources is that?
A 3%
B 25%
C 12%
D $\frac{1}{5}$
8. Factories and other industrial users account for about $\frac{23}{50}$ of the total water usage in the United States. Which of the following show that amount as a percent and decimal?
F 46% and 0.46
G 23% and 0.23
H 50% and 0.5
J 46% and 4.6