

Conversion Practice and Review

Answer each question.

1. Nuclear power provided 76% of the energy used in France in 2000. Write 76% as a fraction in simplest form.
2. One yard is approximately 0.914 meter. What fraction of a meter is a yard?
3. Last Sunday, Matt Ryan had a third-down conversion rate of 0.6. Write this value as a percentage.
4. Sales of designer jeans have increased 135% over the last two years. Write this percentage as a fraction in simplest form.
5. In the last poll, 7 out of 8 dentists recommend Crest. Write this value as a decimal **and** a percent
6. At Sandy Springs Charter Middle School, $\frac{1}{3}$ of the student population is in sixth grade. What percent is this?
7. In the first month and a half of the 2002 season, the Atlanta Braves won 35 out of 40 games. What fraction of their games did the Braves win? What percentage of their games did the Braves **lose**?
8. In the year 2010, 83 out of every 200 homes world-wide had internet access. What percentage of homes had internet access?
9. Which of the following does not belong? Explain your reasoning.

$$\frac{3}{12} \quad 40\% \quad \frac{4}{16} \quad 0.25$$

Name: _____ Date: _____ Period: _____

10. On a science test, Ali answered 38 of the 40 questions correctly, Jamar answered $\frac{9}{10}$ of the questions correctly, and Paco answered 92.5% of the questions correctly. Write Ali's and Jamar's scores as percentages and list the students in order from the least to the highest score.

Ali's Percentage Correct: _____

Jamar's Percentage Correct: _____

Least to Greatest by Name: _____

11. To be eligible for a bowl game, college football teams must win at least 55% of their games. Georgia Southern won 7 out of 12 of their games. Are they eligible for a bowl game? Explain your reasoning AND show some math to support your answer.

Find the missing fractions, decimals, and percents in the chart below. Fractions must be in simplest form!

| | Fraction | Decimal | Percent | Work Space |
|-----|----------------|---------|---------|------------|
| 12. | $\frac{7}{15}$ | | | |
| 13. | $\frac{3}{40}$ | | | |
| 14. | | 0.59 | | |
| 15. | | 0.785 | | |
| 16. | | | 114% | |
| 17. | | | 48.2% | |
| | | | | |

Name: _____ Date: _____ Period: _____