

Name: _____



PRACTICE



TUTORIAL

Practice & Problem Solving



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Leveled Practice In 10–15, write each number in equivalent forms using the two other forms of notation: fraction, decimal, or percent.

10. 0.25

$$0.25 = \frac{\boxed{}}{100} = \boxed{}\%$$

$$0.25 = \frac{\boxed{} \div 25}{100 \div \boxed{}} = \frac{\boxed{}}{4}$$

11. $\frac{2}{2}$

$$\frac{2}{2} = \frac{2 \times \boxed{}}{2 \times \boxed{}} = \frac{100}{100} = \boxed{}\%$$

$$\frac{2}{2} = 2 \div \boxed{} = \boxed{}.0$$

12. 7%

$$7\% = \frac{\boxed{}}{100}$$

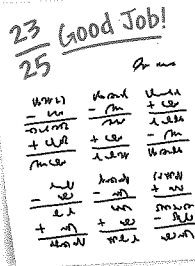
$$7\% = \frac{\boxed{}}{100} = 0.\boxed{}$$

13. 38%

14. $\frac{7}{8}$

15. 0.04

16. Devon answered 23 out of 25 problems on a math test correctly. What percent of the problems did Devon answer correctly?



17. Reasoning How could you write $\frac{4}{8}$ as a percent without dividing?

In 18–21, use the circle graph.

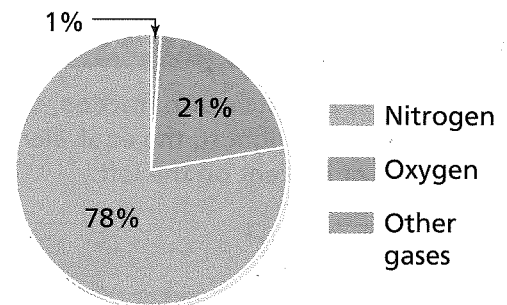
18. Many chemical elements can be found in Earth's atmosphere. What fraction of Earth's atmosphere is made up of nitrogen?

19. How much of Earth's atmosphere is made up of oxygen? Write the part as a decimal.

20. What percent of gases in Earth's atmosphere does the whole circle graph represent?

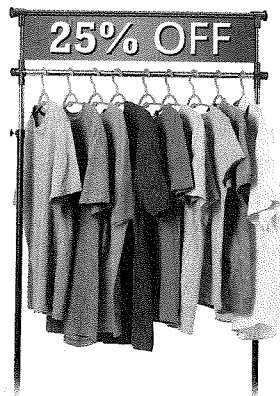
21. What fraction of the gases in Earth's atmosphere are gases other than nitrogen and oxygen?

Gases in Earth's Atmosphere



22. Look for Relationships

All T-shirts in a store are on sale as shown. Is this markdown greater than or less than a markdown of $\frac{1}{5}$ off the original price? Explain.



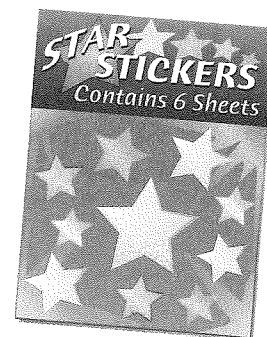
23. Critique Reasoning Enrollment at Jackson Middle School increased by 3% this year. Sofia says that the increase, written as a decimal, is 0.3. Is Sofia correct? Explain.

24. Generalize What are the attributes of fractions that are equivalent to 100%?

25. The cost of building a new library is 0.85 of the cost of remodeling the old library. What is the cost as a percent?

26. Nine out of every 20 people walking out of a movie theater say that they would recommend the movie to a friend. What percent of the people would recommend the movie to a friend?

27. Higher Order Thinking
Ms. Rose bought a package of star stickers. Out of every 10 stars, 4 are gold. If there are 60 stars in the pack, what fraction of the stars in the pack are gold? What percent of the stars in the pack are gold?



✓ Assessment Practice

28. Draw lines to match each fraction, decimal, or percent on the right to the equivalent fraction, decimal, or percent on the left.

$\frac{12}{25}$

75%

4%

0.22

$\frac{3}{4}$

48%

$\frac{11}{50}$

$\frac{1}{25}$

29. Draw lines to match each fraction, decimal, or percent on the right to the equivalent fraction, decimal, or percent on the left.

$\frac{34}{50}$

0.45

80%

6%

0.06

$\frac{4}{5}$

$\frac{9}{20}$

68%

