

UNIT TEST **Lessons 9-16**



Multiply.

1.
$$\begin{array}{r} 8.61 \\ \times .7 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 1.4 \\ \times 2.6 \\ \hline \end{array}$$

3.
$$\begin{array}{r} .18 \\ \times .95 \\ \hline \end{array}$$

4.
$$\begin{array}{r} .106 \\ \times .352 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 2.605 \\ \times 6.279 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 3.191 \\ \times 4.260 \\ \hline \end{array}$$

Write each percent as a decimal or a whole number.

7. $1\% = \underline{\hspace{2cm}}$

8. $10\% = \underline{\hspace{2cm}}$

9. $100\% = \underline{\hspace{2cm}}$

UNIT TEST II

Write each percent as a reduced fraction.

10. $5\% = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

11. $48\% = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

12. $16\% = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

Write each fraction as a decimal and as a percent. These are the ones you should have memorized.

13. $\frac{1}{4} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

14. $\frac{2}{5} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

15. $\frac{1}{2} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

16. $\frac{3}{4} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

Write the mixed number as a percent and as a decimal.

17. $6\frac{1}{4} = \frac{\quad}{100} + \frac{\quad}{100} = \frac{\quad}{100} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

Convert the measures.

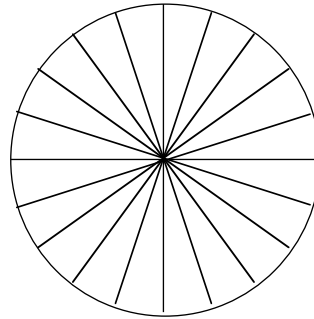
18. $\frac{\quad}{\quad} \text{ m} = 200 \text{ mm}$

19. $81 \text{ kg} = \frac{\quad}{\quad} \text{ cg}$

Use the given information to shade or color the chart. Shade or color the boxes in the key to match.

20. 5% went for electricity to make ice cubes.
 80% went for the ingredients for the lemonade.
 15% went for paper cups.
 (Each section of the chart is 5%.)

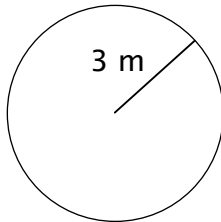
21. If total expenses were \$35,
 how much was spent
 on ingredients?



- electricity
- ingredients
- paper cups

Lemonade Stand Expenses

Use the decimal value of π to find the area and the circumference of the circle.



22. area = _____

23. circumference = _____

Multiply.

24. $5\frac{2}{5} \times 4\frac{1}{5} =$

25. $2\frac{1}{3} \times \frac{5}{9} =$

Divide.

26. $7\frac{1}{2} \div 1\frac{1}{4} =$

27. $6\frac{2}{3} \div \frac{2}{5} =$

28. Levi got 88% of the questions correct on his history test. If there were 50 questions on the test, how many were correct?
29. Zac ordered a part that cost \$135 for his car. He had to pay 6% tax and 10% shipping. Use a percent greater than 100 to find his total cost.
30. What is the perimeter of a rectangle that measures 10.16 inches by 9.25 inches? Give the answer without rounding.