

UNIT TEST Lessons 1-8

Rewrite each number without an exponent.

1. $1^6 = \underline{\hspace{2cm}}$ 2. $10^3 = \underline{\hspace{2cm}}$ 3. $9^2 = \underline{\hspace{2cm}}$

Write in expanded notation.

4. $35.24 = \underline{\hspace{15cm}}$

Write in exponential notation.

5. $90,000.16 = \underline{\hspace{15cm}}$

Write in standard notation.

6. $4 \times 10^3 + 1 \times 10^2 + 6 \times 10^1 + 8 \times 10^0 + 3 \times \frac{1}{10^1} + 2 \times \frac{1}{10^2} + 1 \times \frac{1}{10^3} =$
 $\underline{\hspace{10cm}}$

Add or subtract the decimal numbers.

7.
$$\begin{array}{r} 6.39 \\ - 3.54 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 5.0 \\ - 2.15 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 1.801 \\ - .999 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 8.3 \\ + .4 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 1.23 \\ + .147 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 91.2 \\ + .608 \\ \hline \end{array}$$

Find the fraction of the number.

13. $\frac{7}{8}$ of 96 = $\underline{\hspace{2cm}}$

14. $\frac{5}{9}$ of 81 = $\underline{\hspace{2cm}}$

UNIT TEST I

Fill in the missing numbers to make equivalent fractions.

15. $\frac{6}{11} = \frac{\quad}{\quad} = \frac{\quad}{33} = \frac{24}{\quad}$

16. $\frac{9}{10} = \frac{18}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

Subtract. Reduce your answer if possible.

17. $\frac{1}{6} - \frac{1}{7} = \frac{\quad}{\quad}$

18. $\frac{3}{4} - \frac{2}{5} = \frac{\quad}{\quad}$

19. $\frac{7}{9} - \frac{4}{9} = \frac{\quad}{\quad}$

Add and reduce as needed.

20.
$$\begin{array}{r} 1\frac{2}{3} \\ + 4\frac{1}{6} \\ \hline \end{array}$$

21.
$$\begin{array}{r} 10\frac{3}{9} \\ + 7\frac{1}{4} \\ \hline \end{array}$$

22.
$$\begin{array}{r} 34\frac{5}{6} \\ + 6\frac{1}{8} \\ \hline \end{array}$$

Use the chart to help you convert the measures.

<u>kilo</u>	<u>hecto</u>	<u>deka</u>	<u>(unit)</u>	<u>deci</u>	<u>centi</u>	<u>milli</u>
1,000	100	10	1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1,000}$

23. 12 m = _____ cm

24. 9 kg = _____ cg

25. 22 cl = _____ ml

Fill in the blanks with the appropriate metric measure.

26. A paper clip weighs about one _____ .

27. A _____ is a little more than two pounds.

28. The metric measure closest to a yard is a _____ .

29. The first part of the trip was 52.5 miles and the second part was 15.06 miles. What was the total distance?

30. Jan went into a store with \$50 and came out with \$16.95. How much had she spent?

