

DECIMALS- UNIT 1 - TEST Review

REWRITE EACH NUMBER WITHOUT EXPONENTS.

1. $2^4 = \underline{16}$

2. $10^2 = \underline{100}$

3. $7^3 = \underline{343}$

WRITE IN EXPANDED NOTATION.

4. $49.234 = \underline{4 \times 10 + 9 \times 1 + 2 \times \frac{1}{10} + 3 \times \frac{1}{100} + 4 \times \frac{1}{1000}}$

WRITE IN EXPONENTIAL NOTATION

5. $72,003.5 = \underline{7 \times 10^4 + 2 \times 10^3 + 3 \times 10^0 + 5 \times \frac{1}{10^1}}$

WRITE IN STANDARD NOTATION

6. $5 \times 10^3 + 2 \times 10^2 + 3 \times 10^1 + 7 \times 10^0 + 4 \times \frac{1}{10^1} + 1 \times \frac{1}{10^2} =$

5237.41

7.
$$\begin{array}{r} 67.29 \\ - 5.63 \\ \hline 1.66 \end{array}$$

8.
$$\begin{array}{r} 599 \\ 6.000 \\ - 3.634 \\ \hline 2.366 \end{array}$$

9. $72.3 + .941 =$
$$\begin{array}{r} 72.300 \\ + .941 \\ \hline 73.241 \end{array}$$

13. $\frac{5}{8}$ of $\frac{12}{96} = \underline{60}$

14. $\frac{3}{4}$ of $\frac{12}{48} = \underline{36}$

Mistake s/b

MAKE EQUIVALENT FRACTIONS

15. $\frac{5}{12} = \frac{10}{24} = \frac{15}{36} = \frac{20}{48}$

16. $\frac{11}{13} = \frac{22}{26} = \frac{33}{39} = \frac{44}{52}$

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Subtract and reduce if possible.

$$17. \frac{52}{56} \frac{4}{7} - \frac{3}{8} \frac{21}{56} = \frac{11}{56}$$

$$18. \frac{6}{7} - \frac{4}{7} = \frac{2}{7}$$

ADD AND REDUCE IF NECESSARY.

$$19. \begin{array}{r} 2 \frac{2}{3} + 3 \frac{1}{4} \\ \hline 5 \frac{11}{12} \end{array}$$

$$20. \begin{array}{r} 12 \frac{7}{8} + 3 \frac{5}{6} \\ \hline 16 \frac{17}{24} \end{array}$$

Write the ~~metric~~ metric conversion chart then convert

K	H	DK	unit	d	c	m
			(1)			

$$21. 15 \text{ m} = \frac{1500}{100} \text{ cm}$$

$$22. 6 \text{ kg} = \frac{60,000}{1000} \text{ dg}$$

$$23. 1 \text{ Hl} = \frac{100,000}{1000} \text{ ml}$$

$$24. 1 \text{ dkg} = \frac{100}{1000} \text{ dg}$$

25. PETER WENT \$60.00 AND SPENT \$26.85. How much CHANGE SHOULD HE HAVE?

$$\begin{array}{r} 56.00 \\ - 26.85 \\ \hline 33.15 \end{array} = \$33.15$$

26. BENJAMIN BICYCLED 14.6 miles AND THEN BICYCLED ANOTHER 23.07 miles. How FAR DID HE GO ALL TOGETHER.

$$\begin{array}{r} 14.60 \\ 23.07 \\ \hline 37.67 \end{array} = \underline{\underline{37.67 \text{ miles}}}$$