

Cumulative Review #25- due Wednesday, May 10th

1) The volume of a rectangular prism is 6 feet. The height is $\frac{1}{3}$ feet. What is the area of the base? $V = L \times W \times H$ $6 = \underline{\hspace{1cm}} \times \frac{1}{3}$ $\frac{1}{3} \times \underline{\hspace{1cm}} = 6$ $6 \div \frac{1}{3} = 18$ What could the dimensions of the base be? Length: <u> 2 </u> <u> 3 </u> <u> 1 </u> Width: <u> 9 </u> <u> 6 </u> <u> 18 </u>	2) Calculate each of the following. Simplify when possible. a) $\frac{1}{5} \div 5 = \frac{1}{25}$ b) $5 \div \frac{1}{5} = 25$ c) $1\frac{1}{4} \times \frac{2}{3} = \frac{5}{6}$
3) Estimate the product. Do not solve! <u>Explain how you figured it out.</u> $1 \times 16 = 16$ $.97 \times 16$ <u>15.52</u> 1.552 155.2	4) Estimate the product. Do not solve! <u>Explain how you figured it out.</u> $.53 \times 16$ < 16 $\frac{1}{2} \times 16 = 8$.848 <u>8.48</u> 84.8
5) Convert each of the following measurements. 6 quarts = <u>1.5</u> gallon(s) 16 pints = <u>2</u> gallon(s) 25 km = <u>2,500</u> m. 145 cm = <u>1.45</u> m <u>48</u> ounce(s) = 3 pounds	6) Multiply by Powers of 10. $15 \times 0.01 = 0.15$ $7 \times 10^2 = 700$ $152 \times 0.1 = 15.2$ $.7 \times 10^3 = 700$ $25 \times .01 = .25$ $.07 \times 10^2 = 7$

7) Round to the nearest hundredth. a) $8.897 = \underline{\hspace{2cm}}$ b) $92.543 = \underline{\hspace{2cm}}$	8) Write each in standard form. a) four and five hundred one thousandths $\underline{\hspace{2cm}}$ b) twenty-five thousandths $\underline{\hspace{2cm}}$
9) Solve carefully. Mr. Jones bought 5.6 pounds of green peppers, 10.2 pounds of potatoes, 2.8 pounds of carrots, and 1.9 pounds of onions. The vegetables cost \$.55 a pound. What was his total bill?	10) <u>Use a bar model to solve.</u> Tower A is 66 meters shorter than Tower B. The 381-meter-high Tower C is 61 meters shorter than Tower A. How tall are towers A and B?
11) Solve. Use a model to prove your answer is correct. $.6 \div .2$	12) Solve. You don't have to model this one. $24 \div .8$
13) Multiply. $.32 \times 1.5$	14. Multiply. $.54 \times .25$