

Parts 1 - 7 Cumulative Problem Review

1) Write the number six hundred sixty-five million. 2) Round 3,478 to the nearest thousand.	3) $45 + 8 + 458 =$	4) $(246)(205) =$
5) $4(2)^3 - 4(9 - 3) + 2 =$	6) List the prime factors of 75.	7) True or False $\frac{3}{8} > \frac{3}{7}$ _____
8) $\frac{2}{5} = \frac{\quad}{100}$	9) $\frac{8}{11} + \frac{3}{11} - \frac{10}{11} =$	10) $\frac{1}{2} + \frac{3}{5} - \frac{1}{3} =$
11) $(\frac{3}{4} \div \frac{1}{8}) + \frac{1}{2} =$		
12) How much must be cut from an $8\frac{1}{4}$ foot board if it must fit in a space $6\frac{5}{8}$ feet wide?	13) How many times must Elaine run around a $\frac{5}{8}$ mile track to complete a 5-mile run?	
14) Write 4.005 in words.	15) Round .7269 to the nearest hundredth.	
16) $(4.4)(3.04) =$	17) Paul paid \$5.39 for 2.2 pounds of hamburger. What was the cost per pound?	18) Express \$2.25 to 25¢ as a ratio.
		19) Are $\frac{3}{4}$ and $\frac{36}{48}$ in proportion?

20) $\frac{22}{50} = \frac{x}{100}$	21) Write the fraction $\frac{22}{50}$ as a percent.	22) Write 44% as a fraction.	23) What is 40% of 55?
24) A \$95 suit is on sale for \$85.50. What is the percent of markdown?	25) $\sqrt{36} =$	26) Evaluate $3x^3 - 2xy$ when $x = 2$ and $y = 4$.	
		27) Solve for x. $5x + 4 = 2x + 16$	28) How many degrees are there in supplementary angles? _____
29) The 2 acute angles of a right triangle total 90° . True _____ False _____	30)  Triangles with 2 sides and an angle equal are congruent. True _____ False _____	31) Wendy drove at 55 miles per hour for 5.25 hours. How far did she travel?	
32) Write the opposite operation for division. _____	33) Find the circumference of a circle with a 10-foot diameter. $\pi \approx 3.14$		
	34A) What is the area of a trapezoid with bases of 24 feet and 12 feet and a height of 6 feet?	34B) What is the height of a 40 square inch triangle with a base of 10 inches?	
35) What is the volume of a 26-foot by 42-foot ranch house with 8-foot high ceilings?	36) Find the interest earned over 3 years on a \$550 savings account earning 4.5% interest.		

<p>37) A 10-foot ladder is placed against a house so that its bottom rests 6 feet from the house. How far up the house is the top of the ladder?</p>	<p>38) Mike earns \$6.00 per hour for a 40-hour week. Upon completion of high school, his pay increases to \$7.50 per hour. How much will this raise amount to over an entire year?</p>								
<p>39) Mary worked 36, 32, 39, and 35 hours per week last month. She earns \$5.50 per hour. What was her salary for the month, and what was her average weekly salary?</p>	<p>40) Records show that the average person will eat $\frac{3}{8}$ of a pizza. What will it cost to feed 24 people if each pizza costs \$12.96?</p>								
<p>41) Los Angeles and New York are separated by 14 inches on a map. An inch on the map represents 200 miles. Flying at 500 miles per hour, what is the flight time from New York to LA?</p>	<p>42) Bob would like to increase his hourly pay of \$5.50 by 20%. If successful, what will he earn for a 40-hour week?</p>								
<p>43) Maria is five times older than her sister Debbie. In 6 years she will only be twice as old as Debbie. How old is Maria?</p>	<p>44)</p> <p style="text-align: center;">Recording Media Sales Sales in billions of dollars</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding-right: 20px;">1975</td> <td>\$ \$ \$</td> </tr> <tr> <td>1980</td> <td>\$ \$ \$ \$</td> </tr> <tr> <td>1985</td> <td>\$ \$ \$ \$ \$</td> </tr> <tr> <td>1990</td> <td>\$ \$ \$ \$ \$ \$ \$ \$</td> </tr> </table> <p style="text-align: center;">In 1985, total media sales were over _____.</p>	1975	\$ \$ \$	1980	\$ \$ \$ \$	1985	\$ \$ \$ \$ \$	1990	\$ \$ \$ \$ \$ \$ \$ \$
1975	\$ \$ \$								
1980	\$ \$ \$ \$								
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45A) Which number is less than -6?
 A) -4 B) 4 C) -9 D) 0 Answer _____

45B) $6 - (-10) =$

45C) $-8 - (-4) + 2 =$

46B) The slope of the line in question 46A is
 ☆ A) 1 B) 2 C) x D) y Answer _____

47A) Calculate the mean, median, mode, and range for these numbers 1, 3, 4, 4, 4, 5, 14

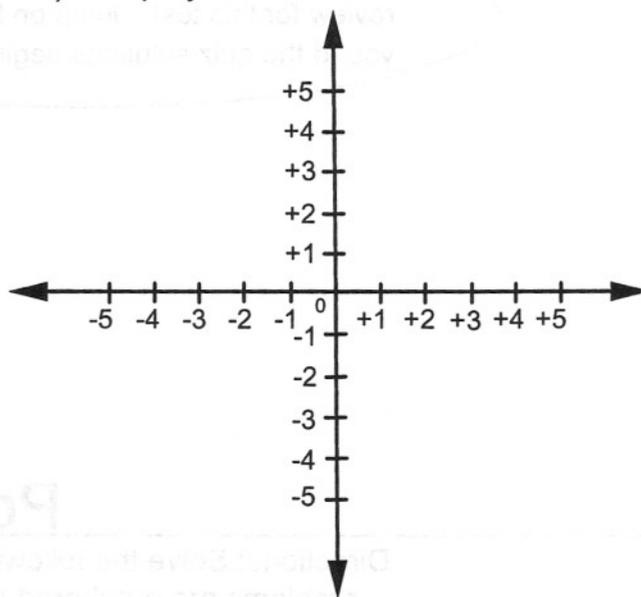
mean _____ median _____

mode _____ range _____

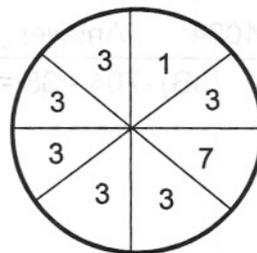
47B) In question 47A, if the last number were a 7 instead of a 14, the data would be _____.

47D) The probability of flipping a coin and getting a head is $\frac{1}{2}$. What is the probability of flipping the coin three times and getting three heads?

46A) Graph $y = 1 + 2x$



47C) What is the probability of hitting a three on this dart board?



Answer _____

48A) Multiply $3 \text{ qt. } 1 \text{ pt.}$
 $\quad \quad \quad \times 5$

48B) Express 11,000 pounds in tons.

49A) 3.75 kilograms = _____ grams

49B) 7,500 milliliters = _____ liters

Answers to these Cumulative Review Problems are on page 240.