## ASSESSMENT TEST -- Readiness for Math A (Elementary Algebra) Topics And Sample Questions

COMPUTATION				
1. 48 2. <u>+ 6</u>	94 3. <u>- 69</u>	\$4.98 4. <u>x 3</u>	826 <u>- 349</u>	5. 7) 4872
6. 1/6 of 30 =	7. 2	= 1/4	8. 3 2/3 +	8 1/3 =
9. 229 5584 63 <u>+ 9308</u>	10. 908 <u>x 48</u>	11. Subtract 10 1/4 <u>8 2/3</u>	12. Add 6 - 3 -	1/4 5/8
13. Write as a decimal: 82 1/2% =	54, 16, 95, 39, 28, 9, 60		15 Write as a percent: 3/8 =	
16. 2 1/2 ft. =	17. 2.5)355	5.95	18. 3 <sup>4</sup> =	
19. Add: 3 ft. 6 in. 9 ft. 7 in. <u>7 ft. 11 in.</u>		e as a common fract		
22. 6 x 5 7/8 =	23	3. 15% of 175 =		
24. 0.39 ÷ 1 1/5 =	25	5. 87 sq. ft. =		

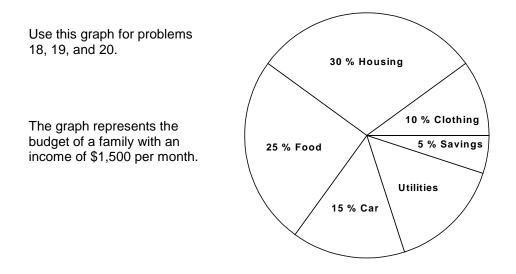
## APPLIED ARITHMETIC

- 1. The perimeter of a rectangular garden measured 80 feet long and 20 feet wide. How many feet of bricks would it take to enclose the garden?
- 2. If you pay \$6 each for 6 tapes and \$3 each for 3 others, how much change should you get from a \$50 bill?
- 3. The temperature was 10° below 0° in Minnesota while at the same time it was 70° above 0° in California. What was the difference in temperatures between the two states?
- 4. A child is 1/4 of the height of a room. If the room is 8 feet high, how tall is the child?
- 5. Theater tickets cost \$5 each, but if 5 people enter as a group then the fifth person is allowed in free. If 5 people share a group price, how much does each have to pay?
- 6. If a \$100 item is offered at a 10% discount, what is the new price?
- 7. A mechanic earns \$20 an hour and is paid \$2 an hour overtime for work after 5 p.m. How much would he earn if he works from 1 p.m. to 7 p.m.?
- 8. What is the annual amount of interest on an investment of \$15.00 at 10%?
- 9. A student failed 15 questions out of 40. What percent did he fail?

- 10. Sit cost \$110 with a 10% tax included. What was the price without tax?
- 11. Jack spent 1/2 of his allowance for candy and 1/4 for ice cream. How much did he have left?

Use this chart for problems		Cost per 100 sheets	Cost per 100 sheets	Cost per 100 sheets
12, 13, and 14		0-500	500-1,000	Over 1,000
	Plain Paper	\$5.00	\$3.00	\$1.00
	Color Paper	\$6.00	\$4.00	\$1.50

- 12. How much does it cost to print 300 sheets on plain paper?
- 13. How much does it cost to print 600 sheets on colored paper?
- 14. How much does it cost to print 1,000 sheets on plain paper if there is an extra \$2 charge for typesetting?
- 15. If in a blueprint one inch represents 100 feet, then how many inches are needed to represent 250 feet?
- 16. If an item is on sale at four for \$1, how much will 10 of them cost?



- 18. How much was the monthly cost for food?
- 19. One month their food cost took an extra 5 % of the budget. They decided to take it out of the amount for clothing. What amount did they have left for clothing?
- 20. How much was budgeted per month for utilities?

IF YOU ARE NOT SURE HOW TO WORK THE PROBLEMS, YOU SHOULD CONSULT A BASIC MATH BOOK. Topics included are: basic arithmetic, the use of fractions, percents, and decimals in applied problems.