

# Kennebec Learning Center

## AccuPlacer Arithmetic KLC Practice Test 1

- Subtract:  $96 - 7.485$   
A) 8.851      B) 0.885      C) 88.515      D) 885.150
- 80% of what number is 4?  
A) 5      B) 20      C) 10      D) 15
- Divide:  $0.754 \div 5.8$   
A) 0.013      B) 13      C) 0.13      D) 130
- Oscar bought a road map and 12.5 gallons of gasoline for \$ 20.50. The road map cost \$2.00. What was the price per gallon of the gasoline?  
A) \$1.85      B) \$1.48      C) \$2.48      D) \$2.00
- Add and simplify:  $7\frac{7}{8} + \frac{2}{3} + 4\frac{1}{2}$   
A)  $11\frac{7}{24}$       B) None of these      C)  $\frac{49}{24}$       D)  $13\frac{7}{24}$
- Subtract:  $24\frac{2}{6} - 10\frac{4}{5}$   
A)  $14\frac{14}{30}$       B)  $13\frac{8}{15}$       C)  $12\frac{1}{30}$       D)  $14\frac{6}{30}$
- Sam is  $5\frac{5}{12}$  feet tall. How much would he have to grow to be 6 feet tall?  
A)  $1\frac{1}{12}$       B)  $\frac{7}{12}$       C)  $\frac{5}{12}$       D) None of these
- Multiply:  $0.083 \times 0.09$   
A) 0.747      B) 74      C) 7.47      D) 0.00747
- Divide and Simplify:  $5\frac{5}{6} \div 3\frac{5}{12}$   
A)  $\frac{1435}{72}$       B)  $\frac{25}{72}$       C)  $\frac{25}{41}$       D)  $\frac{70}{41}$
- Divide:  $55 \overline{)3030}$ . Write the answer as a mixed numeral.  
A)  $55\frac{1}{11}$       B)  $505\frac{1}{5}$       C)  $50\frac{1}{55}$       D)  $55\frac{1}{50}$

11. Round to the nearest hundredth: 6.184

- A) 6.18                  B) 6.10                  C) 6.00                  D) 6.19

12. Angelo delivers pizzas. He is paid \$7.20 per hour plus tips. Here are the amounts earned from tips in one week: Monday \$22, Tuesday \$30, Wednesday \$27, Friday \$23, Saturday \$32. Find his total earnings for that week if he worked 40 hours.

- A) \$288                  B) \$134                  C) \$422                  D) \$405

13. Solve  $10x = 2(x + 8)$

- A) 2                      B) 12                      C) 20                      D) 0.2

14. Find decimal notation:  $\frac{1}{4}\%$

- A) 0.25                  B) 0.0025                  C) 2.50                  D) 25

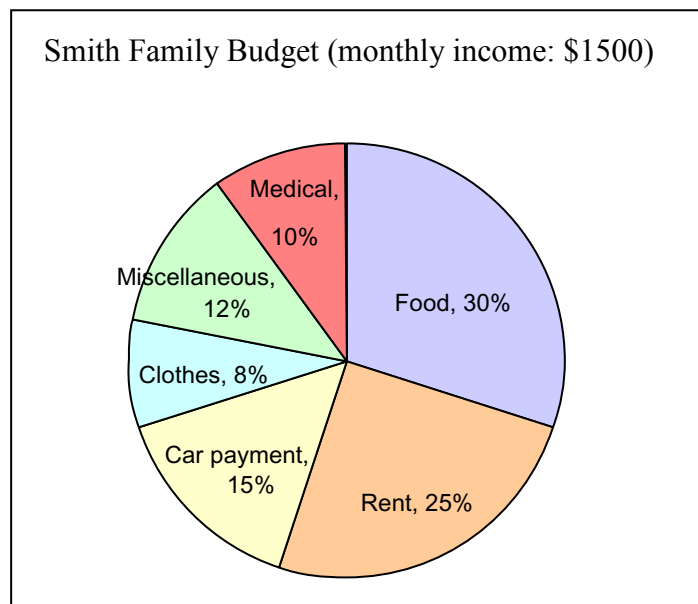
15. Janet told her class that 18 of the 20 varieties of flowers she planted have bloomed. What percent of Janet's flowers have bloomed?

- A) 10%                  B) 85%                  C) 90%                  D) 95%

16. In three months, Joseph's cholesterol went from 236 to 210. What is the percent decrease in his cholesterol?

- A) 0.1%                  B) 10%                  C) 1.5%                  D) 11%

**Use the chart shown below to answer questions 17 and 18.**



17. How much do the Smiths spend on miscellaneous each month?

- A) \$375                  B) \$450                  C) \$150                  D) \$180

18. What is the Smiths' monthly car payment?

- A) \$225                  B) \$250                  C) \$290                  D) \$525

19. Solve:  $\frac{1}{4}x = \frac{6}{8}$
- A)  $\frac{1}{6}$       B)  $\frac{1}{8}$       C)  $\frac{1}{2}$       D) 3
20. Solve:  $2.6x - 0.7x = 38$
- A) 200      B) 20      C) 2      D) 0.2
21. Laura can buy a monthly train pass for \$68 or single-ride tickets (1-way) for \$2.30. She rides the train to and from work 16 days per month. How much money would she save each month if she bought a monthly pass?
- A) \$5.60      B) \$15.60      C) \$2.56      D) \$4.56
22. Dr. Wong's credit card has a finance rate of 2% per month on the unpaid balance, including payments and purchases made since her last statement. Her **previous month's statement** showed an unpaid balance of \$1600. If this month she makes a payment of \$40 and buys a table for \$150. What will be her new balance?
- A) \$174.20      B) \$1744.20      C) \$1471.20      D) \$1270.41
23. Brad Benson is 62 years old. If he waits until age 65 to retire, he will get \$717 per month in social security payments. If he retires now, he will get 80% of that amount. How much will the payments be if Brad Benson retires now?
- A) \$573.60      B) \$363.70      C) \$537.60      D) \$437.60
24. The interest formula,  $I = p \times r \times t$ , may also be expressed as  $t = \frac{i}{p * r}$ . Find the time if the rate is 10%, the principal is \$35,000 and the interest is \$1750
- A) one year      B) one half year      C) two years      D) four months
25. Sally is thinking of a number. She says, "If you divide the number by 4 and add 11 to the quotient, the number that results is equal to three times the original number." Which equation can you use to find Sally's number (n)?
- A)  $\frac{n}{4} + 11 = 3n$       B)  $n + 11 = \frac{3n}{4}$       C)  $\frac{4}{n} + 11 = 3n$       D)  $n + 11 = 3n$

**Answer Key:**

1. C
2. A
3. C
4. B
5. B
6. B
7. B
8. D
9. D
10. A
11. A
12. C
13. A
14. B
15. C
16. D
17. D
18. A
19. D
20. B
21. A
22. B
23. A
24. B
25. A