

Solve the following problems and write your answers on the answer sheet. Please show your work.

1. 
$$\begin{array}{r} 3.25 \\ + 1.37 \\ \hline \end{array}$$
  
A. 46.2  
B. 4.62  
C. 4.52  
D. 45.2  
E. None of the above

2. 
$$\begin{array}{r} 2.008 \\ + .465 \\ \hline \end{array}$$
  
A. 2.473  
B. 24.73  
C. 2.463  
D. 24.63  
E. None of the above

3.  $7.9 + 4.33 =$   
A. 0.0512  
B. 5.12  
C. 1.223  
D. 12.23  
E. None of the above

4.  $6.5 + 3 + 0.9 =$   
A. 7.7  
B. 10.4  
C. 0.77  
D. 104  
E. None of the above

5. 
$$\begin{array}{r} 4.5 \\ + 0.106 \\ \hline 0.88 \end{array}$$
  
A. 54.86  
B. 0.0239  
C. 23.9  
D. 548.6  
E. None of the above

6. 
$$\begin{array}{r} 0.0059 \\ + .81 \\ \hline 6.4921 \end{array}$$
  
A. 6.5061  
B. 7.308  
C. 65.061  
D. 73.08  
E. None of the above

7.  $8.46 + 7 + .094 =$   
A. 0.947  
B. 15.554  
C. 9.47  
D. 155.54  
E. None of the above

8. 
$$\begin{array}{r} 39.56 \\ - 26.62 \\ \hline \end{array}$$
  
A. 12.94  
B. 9.47  
C. 1.294  
D. 0.947  
E. None of the above

9. 
$$\begin{array}{r} 25.85 \\ - 7.2 \\ \hline \end{array}$$
  
A. 25.13  
B. 18.65  
C. 18.55  
D. 2.513  
E. None of the above

10. 
$$\begin{array}{r} 85.5 \\ - 2.64 \\ \hline \end{array}$$
  
A. 83.94  
B. 82.94  
C. 8.294  
D. 83.96  
E. None of the above

11.  $24.9 - .28 =$   
A. 24.78  
B. 24.72  
C. 24.62  
D. 24.68  
E. None of the above

12.  $.66 - .199 =$   
A. 0.461  
B. 0.0461  
C. 0.0133  
D. 0.133  
E. None of the above

13.  $35 - .482 =$   
A. 447  
B. 34.628  
C. 35.482  
D. 34.518  
E. None of the above

14.  $100 - 6.887 =$   
A. 94.887  
B. 93.113  
C. 106.887  
D. 6.787  
E. None of the above

**Subskill # 14, 15****Decimals (Addition and Subtraction) I**

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| <p>15. Andy was assigned to work on a gear shaft in machine shop. If the dimensions of the shaft parts are 6.4819" and 0.5421" what is the total length?</p> <p>A. 11.9020      B. 7.0240<br/>C. 70.24        D. 1.1902</p> <p>16. If the shorter length in problem 15 was changed to 0.125", what would the overall length be then?</p> <p>A. 6.6069      B. 6.4944<br/>C. 6.5069      D. 0.06069</p> <p>17. How much shorter would the shaft be after the change in problem 16?</p> <p>A. 0.5296      B. 0.455<br/>C. 0.4171      D. 6.355</p> | <p>18. A masonry apprentice works on 3 different jobs. Job A was 3.25 hours. Job B was 4.5 hours and job C was 6 hours. How many total hours did he work?</p> <p>A. 37.6          B. 7.81<br/>C. 13.75        D. 13.65</p> <p>19. If the same apprentice (problem 18) is expected to work 30 hours each week, how many more hours must he work?</p> <p>A. 16.35        B. 16.25<br/>C. 22.19        D. 17.65</p> <p>20. A contractor bids on a job for which he estimates the following expenses: supplies \$2,840; labor \$3,959.50; insurance \$84.75. If he would like to make a profit of at least \$1500, what is the least he should charge?</p> <p>A. \$8000        B. \$8200<br/>C. \$8100        D. \$8400</p> |
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**Answer Key**

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