For each problem, show your work in the space provided. Write your Final Answer (and the letter answer) on the Answer Sheet provided.

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1. Round 34,926,623 to the millions place.

2. Add: 603 + 1076

3. Subtract: 815 [A] 739 [B] 761 [C] 741 [D] 891 <u>- 76</u>

4. Simplify: $13(96 - 32 \div 8) + 9 \cdot 8$

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Multiply:

5.
$$1\frac{1}{6} \times 3\frac{7}{8}$$
 [A] $\frac{7}{48}$ [B] $\frac{15}{16}$ [C] $4\frac{25}{48}$ [D] $3\frac{7}{48}$

6. $2\frac{4}{9} \cdot 3\frac{1}{6}$

7. Which of the following fractions is equal to $\frac{4}{3}$?

[A]
$$\frac{12}{9}$$
 [B] $\frac{12}{24}$ [C] $\frac{3}{4}$ [D] $\frac{32}{9}$

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8. Subtract: $\frac{13}{16} - \frac{7}{16}$

 9. Find the least common multiple of 22, 14, and 112.

 [A] 1232
 [B] 924
 [C] 616
 [D] 154

10. Add: \$33.30 [A] \$37.14 [B] \$37.54 [C] \$41.14 [D] \$31.14 + 4.24

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11.	1. Subtract: $53.8 - 0.694 - 2.63$				
	[A] 44.23	[B] 50.476	[C] 50.386	[D] 40.476	

12. Solve:
$$\frac{2}{4} = \frac{4}{x}$$
 [A] 8 [B] 14 [C] 11 [D] 7

13. Use similar triangles to find *x*.



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	1				
14.	Write $5\frac{1}{4}$ % as a decimal.	[A] 5.25	[B] 0.0525	[C] 0.525	[D] 525

15. 4 is what percent of 40?

16. Solve: x + 2.2 = 9.1

17. Which of the following is a true statement?

 $[A] |-4| < |3| \qquad [B] |-4| < |4| \qquad [C] 0 > |-3| \qquad [D] |-4| > |3|$

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18.	Multiply: (-4.4)(5.2)	[A] –22.88	[B] -228.8	[C] 22.88	[D] 228.8
19.	Solve: $3.2x = -0.32$	[A] -0.1	[B] 3.52	[C] -3.52	[D] -10.0000

20.	What is the time 4 hours BEFORE 10:00 p.m.?				
	[A] 6:00 a.m.	[B] 2:00 p.m.	[C] 6:00 p.m.	[D] 2:00 a.m.	

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21. The pictogram below represents the number of new houses started in a city during the first six months of last year. Each house figure represents 50 new houses. How many new houses were started in January of last year?



22. The algebra final exam scores for 24 students are listed below:
95, 82, 87, 83, 85, 72, 74, 79, 70, 71, 69, 64, 66, 53, 52, 55, 68, 67, 76, 71, 88, 80, 91, 99
Construct a histogram and frequency polygon.

For each problem, show your work in the space provided. Write your Final Answer (and the letter answer) on the Answer Sheet provided.

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23. The circle graph below represents the main sources of water pollution. According to the circle graph, which is the main source of water pollution?



24. What is the mode in the following sample? 11, 10, 24, 10, 1, 9, 13, 10

For each problem, show your work in the space provided. Write your Final Answer (and the letter answer) on the Answer Sheet provided.

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25. What are the mean, median, and mode of the data in the following sample? 3, 26, 27, 18, 23, 23, 17, 11, 23

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NAME	_
[1]	
[2]	
[3]	
[4]	
[5]	
[6]	
[7]	
[8]	
[9]	
[10]	
[11]	
[12]	
[13]	
[14]	
[15]	

For each problem, show your work in the space provided. Write your Final Answer (and the letter answer) on the Answer Sheet provided.

Dressler Renton Tech College Su2005 NAME _____ [16] [17] _____ [18] _____ [19] _____ [20] _____ [21] [22] [23] [24] [25]

For each problem, show your work in the space provided. Write your Final Answer (and the letter answer) on the Answer Sheet provided.

Dressler Renton Tech College Su2005 NAME [1] 35,000,000 [2] 1679 [3] <u>[</u>A] [4] 1268 [5] <u>[C]</u> $7\frac{20}{27}$ [6] ′ [7] [A] 3 [8] 8

[9] <u>[</u>A]

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[10] [B]
[11] <u>[B]</u>
[12] <u>[A]</u>
[13] [D]
[14] <u>[B]</u>
[15] 10%
[16] 6.9
[17] <u>[D]</u>
[18] <u>[A]</u>
[19] <u>[A]</u>

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[20] [C]

[21] [B]



[22]

[23] industry

[24] 10

[25] 19, 23, 23