

**AED 49.01 –  
FINAL EXAM**

**Name** .....

**Part I.** NO CALCULATORS allowed.

1. $2975 + 637 + 75 + 468$	2. $495 \times 808$
3. $1242 \div 6$	4. Subtract 2996 from 7004.
5. $95.0 + 9.5 + 0.95 + 0.095$	6. $86.5 - 9.48$

7. $(2.4)(9.5)$	8. $19.2 \div 0.03$
9. $\frac{5}{24} + \frac{11}{24}$	10. $\frac{5}{6} + \frac{1}{4}$
11. $\frac{9}{16} + 1\frac{1}{3}$	12. $5\frac{1}{2} \div \frac{3}{4}$

13. Multiply or divide 82.5 by the given powers of ten.

(a)  $82.5 \times 1000 =$  \_\_\_\_\_

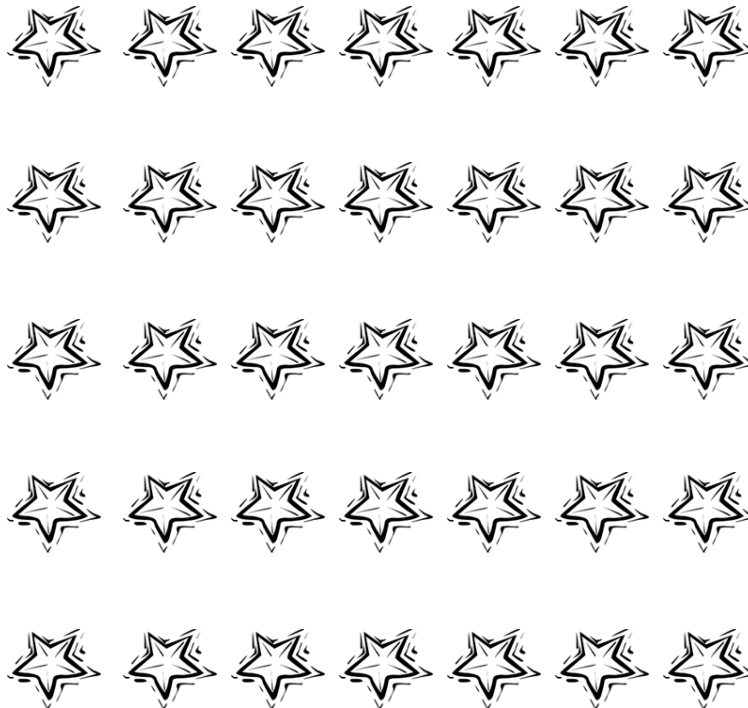
(b)  $82.5 \div 10 =$  \_\_\_\_\_

14. (a) What is 100% of 900? \_\_\_\_\_

(b) What is 10% of 900? \_\_\_\_\_

(c) What is 150% of 900? \_\_\_\_\_

15. Circle  $\frac{2}{5}$  of the stars.



16. Circle all expressions equivalent to  $\frac{7}{15}$ .

- (a)  $7 \div 15$       (b)  $15 \div 7$       (c)  $7 \overline{)15}$       (d)  $15 \overline{)7}$

17. Which of the following numbers is the largest? Circle it.

- (a) 1.045      (b) 1.29112      (c) 0.994      (d) 1.405      (e) 1.0456

18. Circle all the numbers equivalent to 0.8

- (a) 8%      (b) .800      (c)  $\frac{80}{100}$       (d)  $\frac{40}{500}$       (e)  $\frac{4}{5}$       (f) 80%

19. 298 is approximately 50% of what number?

- (a) 900      (b) 600      (c) 300      (d) 150

20. You are at a restaurant and the bill (before tax) is \$39.85. Approximately how much should you tip? It is customary to leave 15% on the amount of the bill (before tax).

Hint: Do not calculate the exact tip, round and use mental math. Respond in a complete English sentence.

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Form 2

21. Use the order of operations to evaluate:  $(37 - 7) + 60 \div 5 \times 2$ . Show your work and write the result in the blank. Use equal signs appropriately.

21. \_\_\_\_\_

22. Prime factor 350. Then write the prime factored form of 350 below.

350 = \_\_\_\_\_

