

**AED Prep Math Spring 2017
FINAL EXAM Part II**

Name

Part II. CALCULATORS may be used on this part of the exam. Show all work.

1. Write the following number in standard form (using digits).

Eighty thousand, two hundred six and forty-five thousandths

2. Write in order from smallest to largest. $\frac{1}{2}$ $\frac{3}{5}$ $\frac{3}{4}$ $\frac{7}{10}$

3. What is 125% of 92?

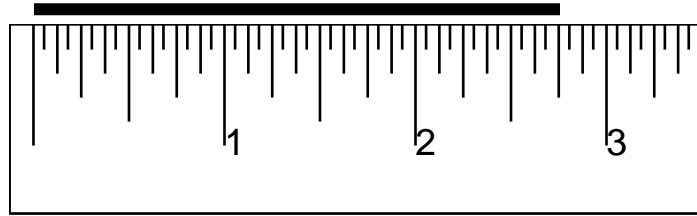
4. What percent of 50 is 15?

5. Name four **factors** of 60.

6. Find the **reciprocal** of $1\frac{1}{3}$.

7. When 6021 is divided by 55 the quotient is _____ and the remainder is _____.

8. Find the length of the line segment drawn above the ruler. .



For # 9 – 15 write your answers in complete sentences. Do not forget to include the units.

9. Patty has a piece of material that is $10\frac{1}{2}$ yards long. She cuts $7\frac{3}{4}$ yards off to make a dress. How much material is left? Write your answer in a complete sentence.

10. A garden is in the shape of a rectangle that is 30 meters wide and 90 meters long. Draw a picture of the garden. What is the perimeter of the garden? Write your answer in a complete sentence.

11. David can drive an average of 52.6 miles per gallon in his new Prius. How many miles can he travel on 12.5 gallons of gas? Write your answer in a complete sentence.

12. Circuit City is having a clearance sale advertising a 45% discount off all items in stock. What is the sale price of a television that is originally priced at \$329.50? Write your answer in a complete sentence.

13. Suppose you need to purchase three textbooks. One textbook is priced at \$126.50, another is priced at \$48.95, and the third textbook is priced at \$82.65. In addition to these costs, 9.75% sales tax will be added. What is the total cost of the textbooks including tax? Write your answer in a complete sentence.

14. A 6-ounce can of orange juice sells for 79¢, and an 8-ounce can sells for \$1.09. Which is the better buy?

Show all work and explain.

15. On one map, $\frac{1}{4}$ inch represents 16 miles. If two cities are $3\frac{1}{2}$ inches apart on the map, what is the actual distance between the two cities? Answer in a complete sentence.