Name _Key_

1. Write the number 0.0004 in words.

2. Write 10.87 quadrillion in decimal notation.

3. Identify the place value of the given digit in the number 0.7182904.

   a. 9

   b. 4

4. Name three numbers between 0.01 and 0.001.

5. Graph $0.\overline{3}$, $0.1\overline{6}$, and 0.25 on the number line.

6. Round the number 13.899758 to the nearest indicated place.

   a. ten-thousandths

   b. hundredths

   c. hundred-thousandths

7. Suppose you want to buy cottage cheese for $4.37, canned peaches for 89 cents, and a jar of cinnamon for $3.95.

   a. Estimate the total cost of the items by rounding the individual prices to the nearest dollar.
   b. When you get in line you realize you only have a $10 bill. Can you afford all the items? Why or why not?

8. Express the fraction as a decimal and a percent.

   2 pts. a. $\frac{18}{80}$
   ea.   b. $\frac{33}{110}$

---

1. four ten-thousandths

2. 10,870,000,000,000,000

3. a. hundred-thousandths
   b. ten-millionths

4. .002, .003, → .009
   0.0010 - 0.0010

6. a. 13.8998
   b. 13.90
   c. 13.89976

7. a. $4.00 + 1.00 + 4.00 = $9.00
   b. Yes, estimate is only $9 (real am't is $9.21)

8. a. 0.225, 22.5%
   b. ~~30.00%~~
      0.3, 30%

Chapter 2 Test Form A

In 9 and 10, tell how to move the decimal point when multiplying by the given number.

9. 10,000

10. $\frac{1}{1000}$

9. __4 places right__

10. __3 places left__

11. **Fill in the Blanks** Write <, >, or =.

a. 0 _____ $\frac{0}{1,000}$

b. $\frac{7}{3}$ _____ 2.4

c. $\frac{3}{8}$ _____ 0.375

11. a. __=__

b. __<__

c. __=__

In 12 and 13, write the repeating decimal using the repetend symbol.

12. 0.5714285714285...

13. 1.33133133...

12. __$0.\overline{571428}5$__

13. __$1.\overline{331}$__

In 14 and 15, fill in the blanks.

p5 14. In order to find 20 percent of a quantity, you can multiply it by the decimal _____ or the fraction _____.

14. __$.2 , \frac{1}{5}$__

15. According to the Substitution Principle:

20% + 45% = 0.__ + 0.__ = $\frac{}{}$ + $\frac{}{}$.

15. __$.2$__

__$.45$__

$\frac{20}{100}$ $(\frac{1}{5})$

$\frac{45}{100}$ $(\frac{9}{20})$

16. Draw a line segment 6.3 cm long.

17. Measure the segment below to the nearest millimeter.

17. __64 mm. or 6.4 cm__
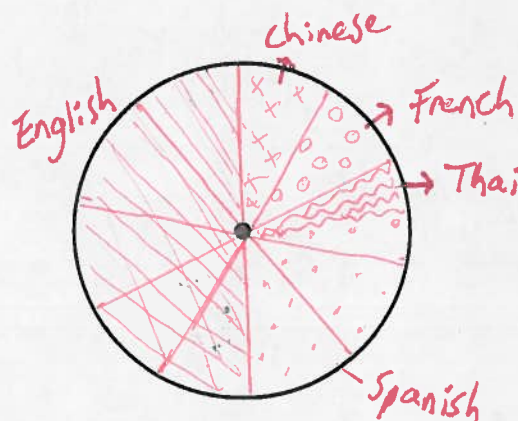
|———————————|

Chapter 2 Test Form A

18. Former president Bill Clinton was approximately 188 cm tall and weighed about 104 kg during his presidency.

    a. Convert his height to meters.

    b. Convert his mass to grams.

18. a. _1.88 m_

    b. _104,000 grams_

19. The following table shows what language is spoken at student homes in a 6th grade class.

Language	Percent of Students
Chinese	10% × ××
English	50% \\\\
Spanish	25% ' ' '
Thai	5% ~~~~
French	10% o o°o

Represent this information in a circle graph.

20. The table below gives the final regular-season records for five of the teams in Major League Baseball in 1876.

Team	Win-Loss	Number of Games
New York Mutuals	21-35	56
St. Louis Brown Stockings	45-19	64
Chicago White Stockings	52-14	66
Philadelphia Athletics	14-45	59
Hartford Dark Blues	47-21	69

a. How many games did each team play? Complete the table.

b. For each team, find the fraction of games won.

c. Order teams from the highest to the lowest percent of games won.

d. Which team had the lowest winning percentage? To the nearest tenth, what is the percent of games won for the team with the lowest number of wins?

20. b. $\frac{21}{56}$ (NYM)

$\frac{45}{64}$ (St.L)

$\frac{52}{66}$ (Ch.WSx)

$^{14}/_{59}$ (Phil A's)

$47/_{69}$ (Hart D.B)

c. Chicago

St. Louis

Hartford

New York

Philadelphia

d. Philadelphia

23.7%