Grade 4 Mathematics

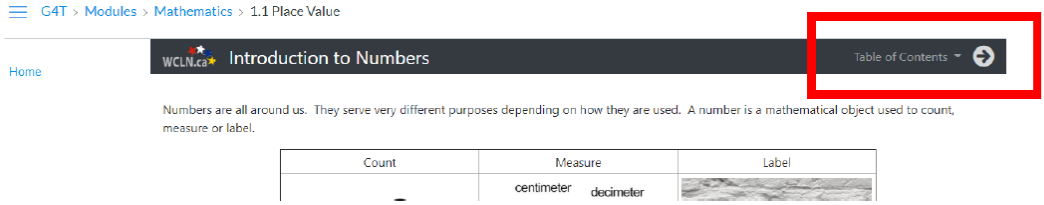
Week of November 9 – November 13

Lesson 2.2: Comparing Fractions and Lesson 2.3 Decimals to Hundredths

Lesson Materials

- Lessons for Section 2.2 Comparing Fractions (start at Comparing Fractions page)
- Lessons for Section 2.3 Decimals to Hundredths
- Comparing Fractions Learning Guide (This PDF)
- Decimals to Hundredths Learning Guide (This PDF)

Use the link above to open the lessons for this section. Remember: on the lesson page, use the arrow next to the "Table of Contents" at the **top of the page** to move through the lessons. You can also click on the Table of Contents to open the menu so you can jump to a specific lesson page.



Work through the online lessons for this section. You can work at your own pace or follow the suggested schedule below. Complete the activities in your Learning Guide as you work through the lessons. You can print the Learning Guide, or, copy out the questions on a separate piece of paper. Be sure to try the games and practice quizzes as you make your way through the online lesson book.

Suggested Lesson Schedule

Monday • Comparing Fractions • Signs • Practice • LG 2.2 #3, p. 6 **Tuesday** • Introducing Decimals (2.3) • Introducing Tenths • Tenths as Parts of a Whole • Tenths as Parts of a Set • LG 2.3 #1-4, p. 7-9 **Wednesday** • Remembrance Day	**Thursday** • Hundredths • Tenths or Hundredths - 1 • Tenths or Hundredths - 2 • Tenths or Hundredths - 3 • Matching • Using a Number Line • Your Turn – 1 • Hundredths on a Number Line • Your Turn – 2 • LG 2.3 #5-8, p. 10-11 **Friday** • Place Value Names • Practice 1 • Practice 2 • LG 2.3 #9-16, p. 12-15

3. Write the correct comparison symbol (< > =) in each box. Show your work.

a) $\frac{2}{8} \square \frac{2}{4}$

b) $\frac{5}{9} \square \frac{1}{5}$

c) $\frac{2}{7} \square \frac{1}{2}$

d) $\frac{5}{9} \square \frac{1}{5}$

e) $\frac{1}{12} \square \frac{6}{11}$

f) $\frac{1}{5} \square \frac{1}{8}$

g) $\frac{6}{11} \square \frac{2}{3}$

h) $\frac{2}{3} \square \frac{1}{8}$

i) $\frac{2}{5} \square \frac{6}{9}$

j) $\frac{4}{6} \square \frac{3}{6}$

k) $\frac{2}{7} \square \frac{1}{3}$

l) $\frac{1}{2} \square \frac{5}{10}$

m) $\frac{1}{2} \square \frac{6}{7}$

n) $\frac{2}{3} \square \frac{1}{2}$

o) $\frac{1}{6} \square \frac{5}{11}$

p) $\frac{3}{12} \square \frac{6}{12}$

q) $\frac{1}{4} \square \frac{7}{9}$

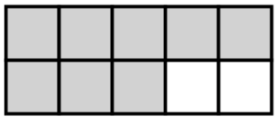
r) $\frac{3}{10} \square \frac{9}{10}$

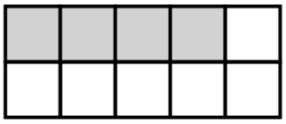
s) $\frac{1}{10} \square \frac{2}{5}$

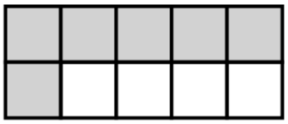
t) $\frac{7}{9} \square \frac{1}{6}$

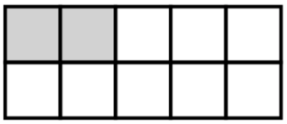
2.3 Decimals to Hundredths

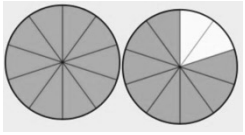
1. Write the shaded part as a decimal.

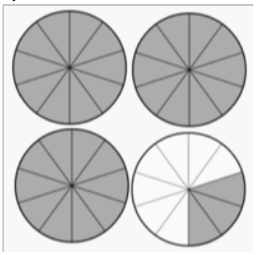
a) 

b) 

c) 

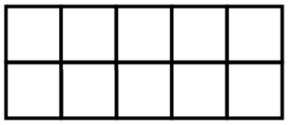
d) 

e) 

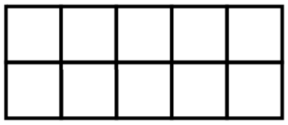
f) 

g) 

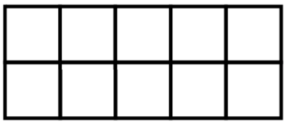
2. Shade the picture to represent the given decimal value.

a) 

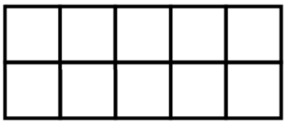
0.3

b) 

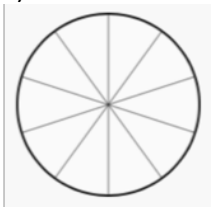
0.1

c) 

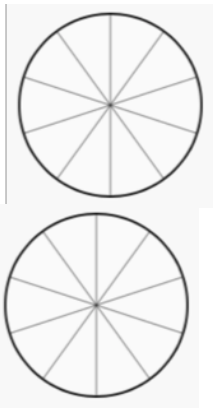
0.5

d) 

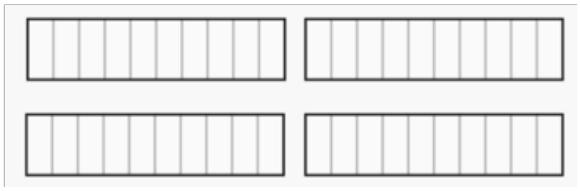
0.9

e) 

0.7

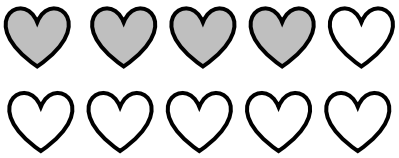
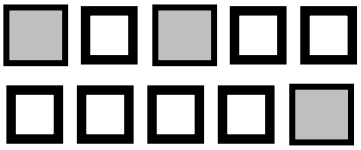
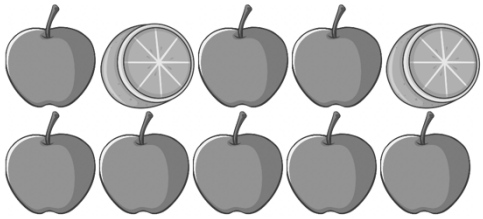
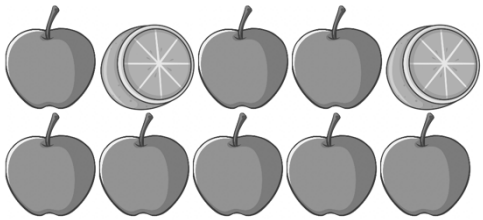
f) 

1.3

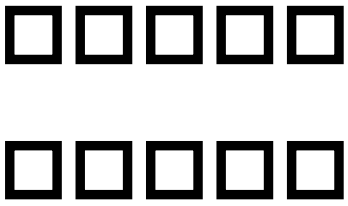
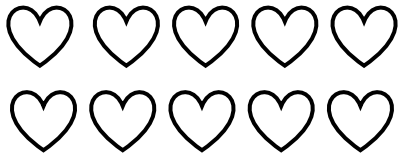
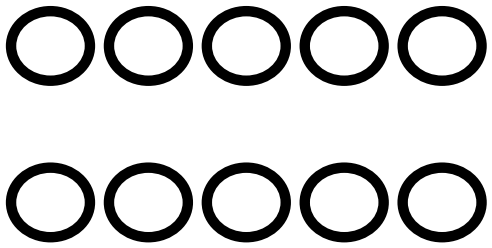
g) 

3.4

3. For each of the following tenths diagrams, write a decimal for the shaded parts.

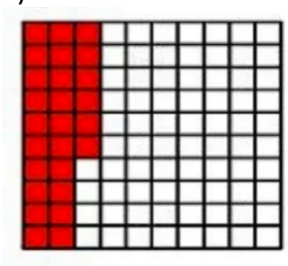
Diagram	Decimal
Example: What portion is shaded? 	0.4
a What portion is shaded? 	_____
b. What portion is shaded? 	_____
c. What portion of the dogs is laying down? 	_____
d. What portion are apples? 	_____
e. What portion are oranges? 	_____

4. For each of the following decimals, shade in the tenths diagrams.

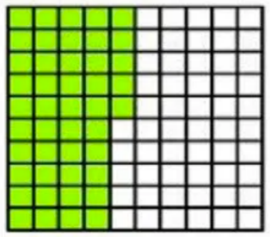
Decimal	Diagram
Example: 0.9	
a) 0.6	
b) 0.2	
c) 0.4	
d) 0.7	
e) 0.8	

5. Write the shaded part as a decimal.

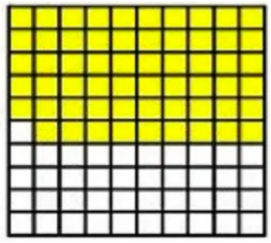
a)



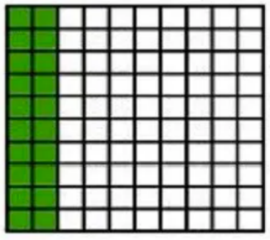
b)



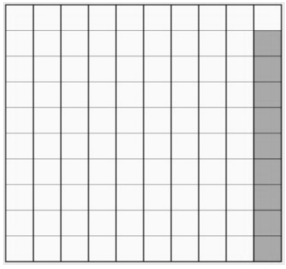
c)



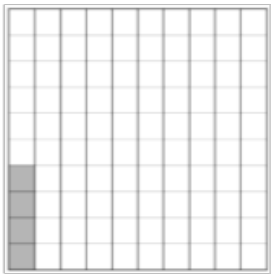
d)



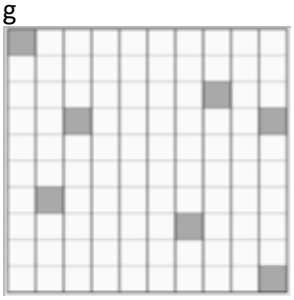
e)



f)

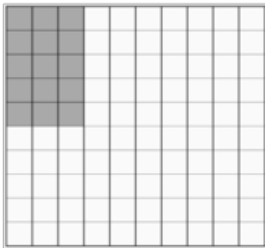


g



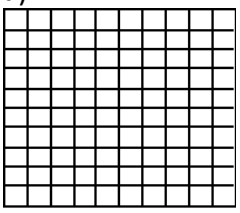
)

h)



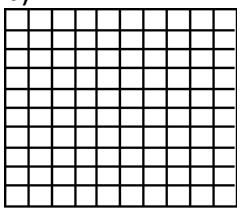
6. Shade the picture to represent the given decimal value.

a)



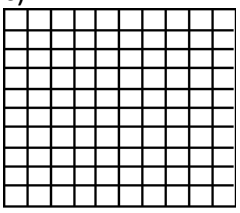
0.23

b)



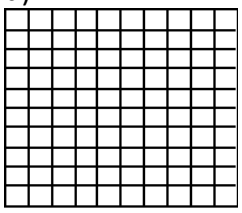
0.71

c)



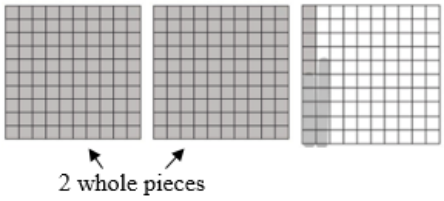
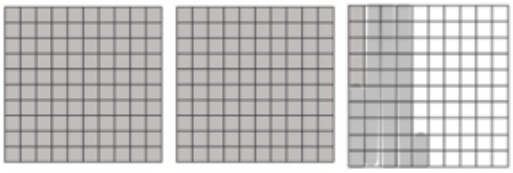
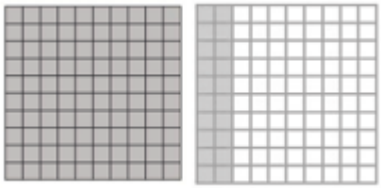
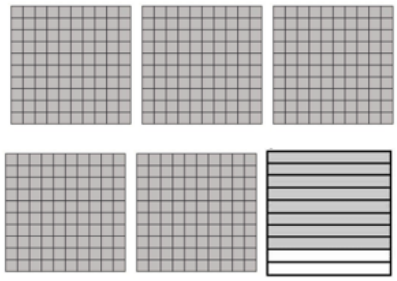
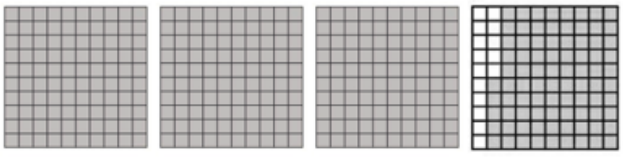
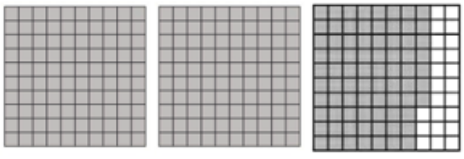
0.65

d)



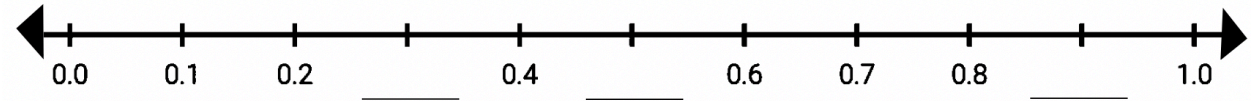
0.09

7. Which numbers are represented by the shaded squares? Write the whole number and the decimal.

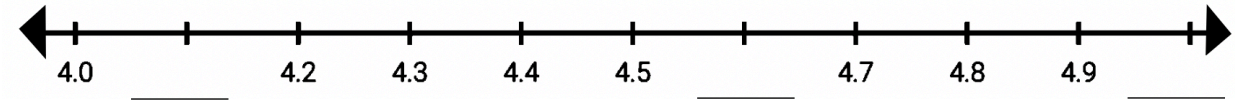
Example: 	2.16
a. 	_____
b. 	_____
c. 	_____
d. 	_____
e. 	_____

8. Label the value of the missing points on the number line.

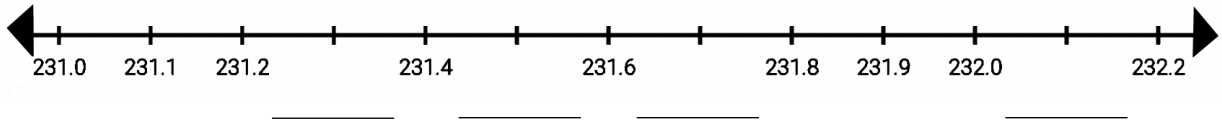
a)



b)

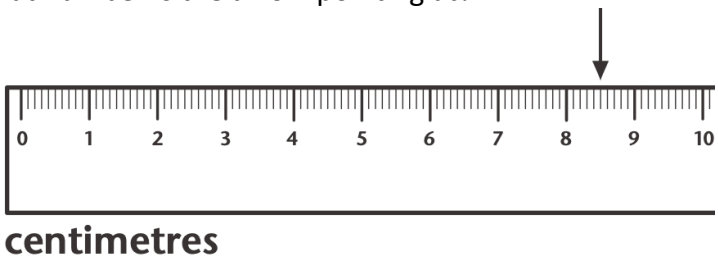


c)

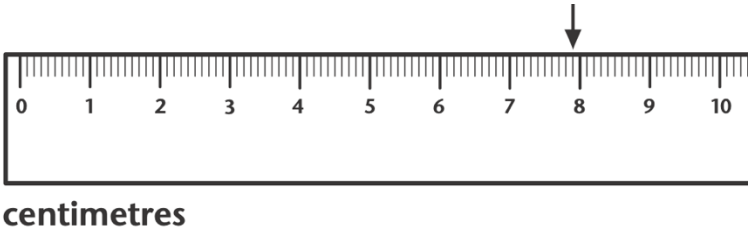


9. Look at the ruler below. What number is the arrow pointing at?

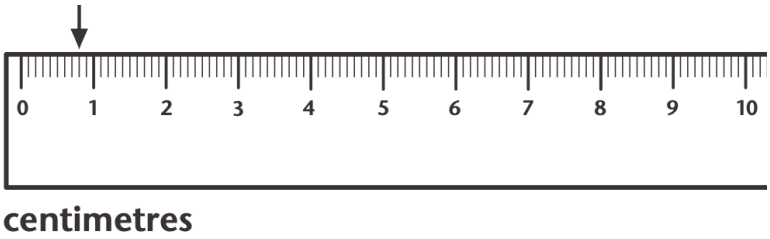
a) ___.___ cm

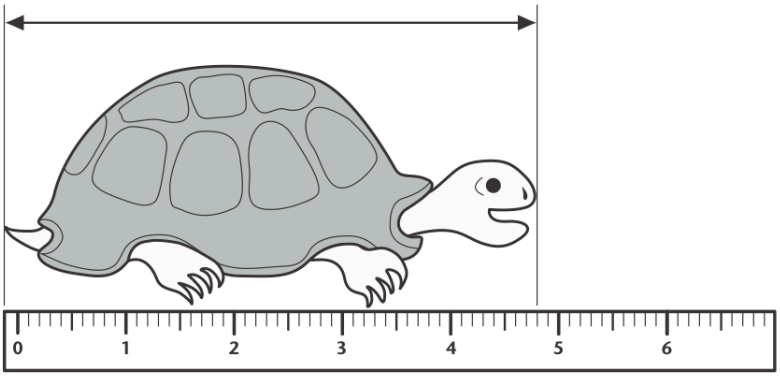


b) ___.___ cm



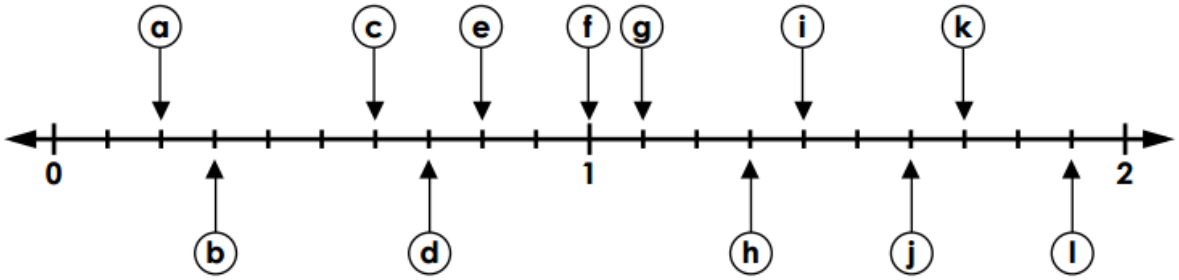
c) ___.___ cm





10. How long is the baby turtle?_____ cm

11. Write the correct decimal for each letter on the number line. The first one is done for you.



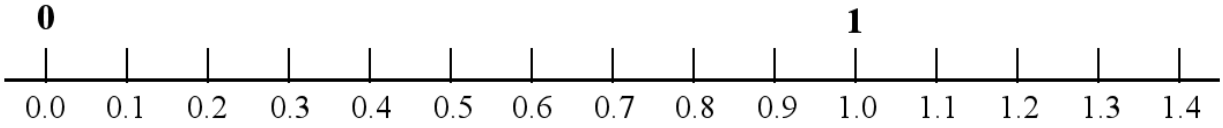
a. **0.2**_____ b. _____ c. _____

d. _____ e. _____ f. _____

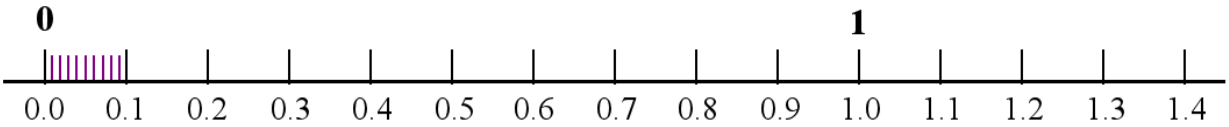
g. _____ h. _____ i. _____

j. _____ k. _____ l. _____

12. You saw this number line when you explored decimal tenths on a number line. In it, the distance from 0.0 to 0.1 is *one tenth*.

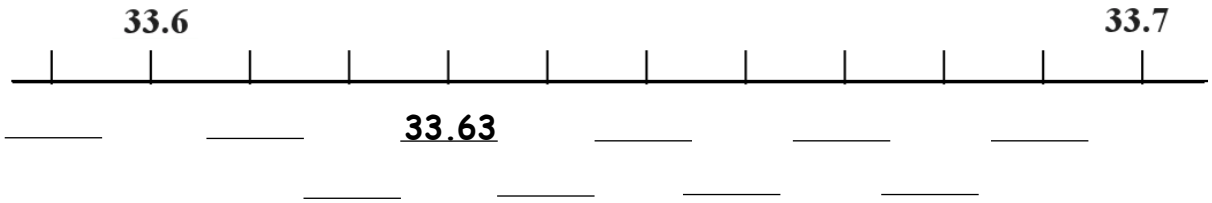


There are nine tiny lines between 0.0 and 0.1, **dividing** that distance **into ten new parts**. Repeat this process between 0.2 and 0.3, dividing that distance into ten new parts.

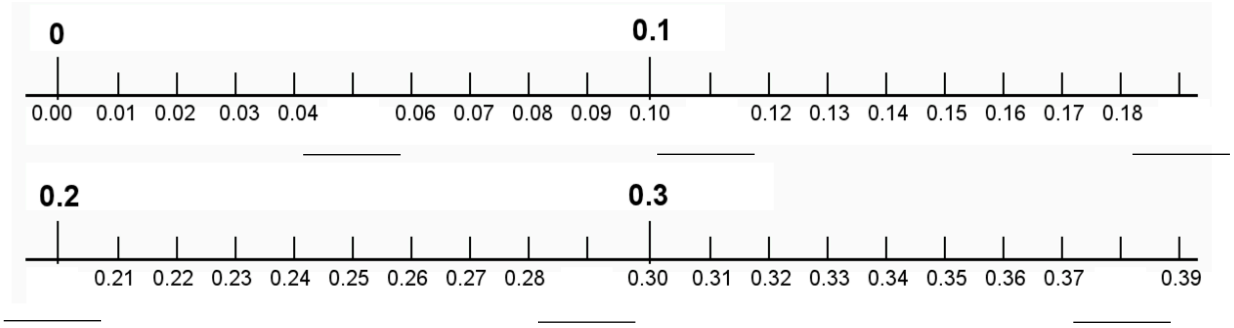


These new parts are therefore ***hundredth parts***, or ***hundredths***. You've just drawn the hundredths between 0.2 and 0.3. They are 0.21, 0.22, 0.23, 0.24, 0.25, 0.26, 0.27, 0.28, 0.29.

13. a) Fill in the missing hundredth parts under the tick marks on the number lines.

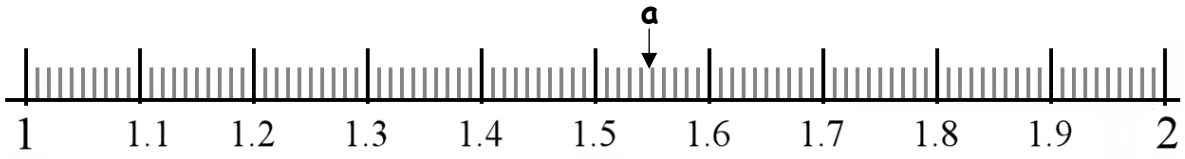


b) The number line below *zooms in* to the previous number line, from 0 to a little past 0.3. The interval from 0 to 0.1 has been divided into ten parts, and similarly the interval from 0.1 to 0.2, etc. Fill in the missing numbers.



14. Mark these decimals on the number line below. The first one is done for you:

a) 1.55 b) 1.11 c) 1.39 d) 1.88 e) 1.02 f) 1.67 g) 1.99 h) 1.74



15. Write the numerical form of these numbers

a) Two and eighty-seven hundredths _____

b) Three hundred and ninety-eight hundredths _____

c) Nine thousand three hundred and nine tenths _____

d) Nine and twenty-two hundredths _____

e) One hundred thirty-three and ninety-nine hundredths _____

15. Write the names for the decimal numbers.

a) 3.5 _____

b) 96.81 _____

c) 203.06
_____

d) 19.08 _____

e) 707.07 _____