

HW 2.1 Lesson

Name: _____

- Regular: p. 48-49 #3-10, 15-23 odd, 31-35 odd, 45
- Modified: p. 48-49 #7-10, 15, 21, 31, 45
- Advanced: p. 48-49 #3-10, 15-23 odd, 31-35 odd, 45, 46

Tell whether the number belongs to each of the following number sets:
rational numbers, integers, whole numbers.

3. -5

4. $-2.\overline{16}$

5. 12

6. 0

Tell whether the decimal is *terminating* or *repeating*.

7. $-0.4848\dots$

8. -0.151

9. 72.72


10. $-5.\overline{236}$

Write the rational number as a decimal. (Show work!)

15. $1\frac{5}{6}$

17. $-5\frac{7}{12}$

19. **ERROR ANALYSIS** Describe and correct the error in writing the rational number as a decimal.

 $-\frac{7}{11} = -0.6\overline{3}$

Write the decimal as a fraction or a mixed number in simplest form. (Show work!)

21. 0.45

23. -0.312

Order the numbers from least to greatest. Use a number line if it helps.

31. $2.1, -\frac{6}{10}, -\frac{9}{4}, -0.75, \frac{5}{3}$

33. $-\frac{11}{5}, -2.4, 1.6, \frac{15}{10}, -2.25$

35. **HIBERNATION** A box turtle hibernates in sand at $-1\frac{5}{8}$ feet. A spotted turtle hibernates at $-1\frac{16}{25}$ feet. Which turtle is deeper?

Show work!

Sentence: _____

45. **SKATING** Is the half pipe deeper than the skating pool? Explain.




Show work!

Sentence: _____

Advanced:

46. **ENVIRONMENT** The table shows the changes from the average water level of a pond over several weeks. Order the numbers from least to greatest.



Week	1	2	3	4
Change (inches)	$-\frac{7}{5}$	$-1\frac{5}{11}$	-1.45	$-1\frac{91}{200}$