Name:_____ Period:_____ Score: _____

HW 4-1 Rational Numbers

Write each fraction or mixed number as a decimal.

1. $\frac{2}{5}$

2. $2\frac{1}{8}$

3. $\frac{33}{40}$

4. $\frac{4}{33}$

5. $-\frac{6}{11}$

6. $-7\frac{8}{45}$

7. The table shows statistics about the students at Carter Junior High.

Number of Siblings	Fraction of Students
None	$\frac{1}{15}$
One	$\frac{1}{3}$
Two	$\frac{5}{12}$
Three	$\frac{1}{6}$
Four or more	$\frac{1}{60}$

a. Express the fraction of students with no siblings as a decimal.

b. Find the decimal equivalent for the fraction of students with three siblings.

c. Write the fraction of students with one sibling as a decimal. Round to the nearest thousandth.

d. Write the fraction of students with two siblings as a decimal. Round to the nearest thousandth.

Write each decimal as a fraction or mixed number in simplest form.

8. -0.4

9. -7.32

10. $0.\overline{2}$

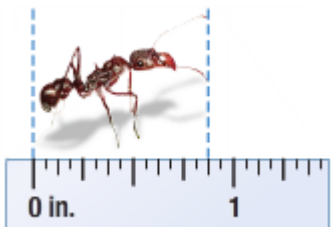
11. $-0.\overline{45}$

12. $2.\overline{7}$

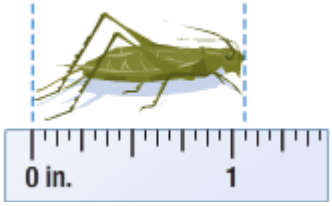
13. 5.55

Write the length of each insect as a fraction or mixed number and as a decimal.

14.



15.



16. Which of the following is equivalent to the fraction below?

$\frac{13}{5}$

Ⓐ 2.4 Ⓑ 2.45 Ⓒ 2.55 Ⓓ 2.6

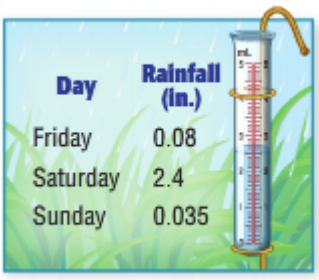
Write each fraction or mixed number as a decimal.

17. $\frac{4}{5}$ **18.** $5\frac{5}{16}$ **19.** $-6\frac{13}{15}$

Write each decimal as a fraction or mixed number in simplest form.

20. -1.55 **21.** $3.\overline{8}$ **22.** $-0.\overline{09}$

Write the rainfall amount for each day as a fraction or mixed number.



23. Friday _____

24. Saturday _____

25. Sunday _____

26. The table shows three popular flavors according to the results of a survey. What is the decimal value of those who like vanilla, chocolate, or strawberry? Round to the nearest hundredth.

Flavor	Fraction
Vanilla	$\frac{3}{10}$
Chocolate	$\frac{1}{11}$
Strawberry	$\frac{1}{18}$

27. The table shows the number of free throws each player made during the last basketball season. Write the fraction of free throws made in simplest form for each player.

Player	Free Throws Made	Free Throws Attempted
Felisa	18	20
Morgan	13	24
Yasmine	15	22
Gail	10	14

28. Write each fraction from problem #27 as a decimal. Round to the nearest thousandth if necessary.