Chapter 3 Practice test

- 1. A survey shows that about $\frac{7}{20}$ of the families in the United States eat dinner together every night. Write $\frac{7}{20}$ as a decimal.
- 1. 0.35
- 2. Write $-\frac{5}{12}$ as a decimal. Use a bar to show a repeating decimal.
- 0. 416 2.

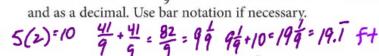
3. Identify all sets of numbers to which 2.1711711171117.... belong.

- /RRATIONAL NUMBER
 3. REAL NUMBER
- **4.** Replace with <, >, or = to make the following statement true.

$$-\frac{4}{5} \bullet 0.\overline{8} \qquad -\frac{4}{5} < 0.\overline{8}$$

- 5. One inch is equivalent to 2.54 centimeters. Write this value as a mixed number in simplest form.
- 5. 250
- **6.** Max typically drinks $3\frac{3}{4}$ cups of milk each day. Today he drank triple his usual amount. How much milk did Max drink today?

7. Find the area and the perimeter of a rectangle with a length of 5 feet and a width of $4\frac{5}{9}$ feet. Write each answer as a fraction and as a decimal. Use bar notation if necessary.



2 / 8. ____

8. Usually LeRoy practices the bass for $2\frac{4}{5}$ hours a day. Today he practiced half his usual time. For how long did he practice? $\frac{14}{5} \div 2 = \frac{14}{5} \cdot \frac{1}{2} = \frac{14}{10} = 1\frac{2}{5} + 1\frac{2}{5} + 1\frac{2}{5} = 1\frac$

9. What is the product of $-11\frac{7}{11} \cdot \left(-12\frac{3}{8}\right)$ in simplest form? $\frac{7}{11} = \frac{128}{11} \cdot \frac{9}{8} = \frac{1924}{88}$

$$\sqrt{4} = 2$$
 $12\frac{3}{8} = \frac{99}{8} \cdot \frac{11}{11} = \frac{1089}{88}$
 $\sqrt{5} = 2$. DOES NOT REPEAT

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THE IRRATIONAL

x2=-1

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