Name: _____ Date: _____

BLM 2–3

Section 2.1 Extra Practice

1. Circle the rational numbers.

A *rational number* is a number that can be written as a fraction.

a) 17 $\frac{5}{0}$ -3.606 $\sqrt{3}$ $-8\frac{3}{4}$

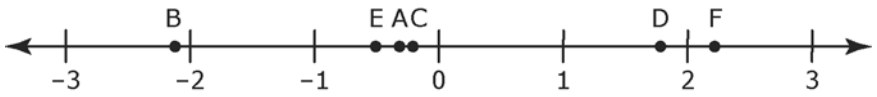
b) -0.2 $9.\overline{12}$ $\frac{0}{0}$ $-\frac{13}{4}$ 7.1234 . . .

2. Compare and order the rational numbers from least to greatest.

9 $-\frac{23}{3}$ -17.6 $6.\overline{12}$ 401 $-7\frac{5}{7}$

Change the fractions into decimal numbers.

3. Match each letter on the number line to one of the following rational numbers.



$\frac{7}{4}$: _____ -0.3: _____ $2\frac{1}{5}$: _____

$-\frac{1}{3}$: _____ -2.1: _____ $-0.4\overline{9}$: _____

4. Compare $-\frac{3}{4}$, 1.7, -0.6. Write the numbers in ascending order.

Change the fractions into decimal numbers.

ISBN: 978–0–07–000219–7

Name: _____ Date: _____

BLM 2–3
(continued)

5. Compare $-0.5, \frac{11}{6}$, and $1.\overline{3}$. Write the numbers in descending order.

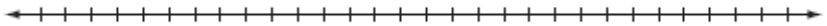
6. Which pairs of rational number are equivalent?

Change both numbers to decimals or fractions.

a) $\frac{-3}{-2}, 1\frac{1}{2}$ **b)** $4.\overline{6}, 4\frac{2}{3}$ **c)** $-0.8, \frac{-4}{-5}$

7. Circle the smaller value in each pair.

Find a common denominator.



a) $-\frac{1}{2}, \frac{3}{4}$

b) $\frac{7}{8}, \frac{8}{9}$

c) $-\frac{3}{7}, -\frac{4}{7}$

ISBN: 978–0–07–000219–7

Name: _____ Date: _____

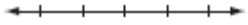
BLM 2–3
(continued)

8. Write a fraction between each pair of rational numbers.

Change each decimal to a fraction.

a) 0.8, 0.9

b) –0.65, –0.66



9. Solve. Write each answer as a fraction or mixed number in lowest terms.

a) 7 ÷ (–14)

b) –75 ÷ 100

c) –4 ÷ 12

d) (–12)÷ (–8)

10. Write >,<, or = to make each statement true.

a) –5 _____ $\frac{1}{5}$

b) $\frac{3}{4}$ _____ $\frac{1}{2}$

c) –0.5 _____ $\frac{-5}{2}$

d) $\frac{3}{12}$ _____ 0.25

ISBN: 978–0–07–000219–7