

Name: _____

Outcome: Demonstrate an understanding of rational numbers by comparing and ordering rational numbers.

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1. Determine whether the following numbers would be classified as rational or irrational by placing them in the correct column. (4)

- a) -5
 b) $3.\overline{56}$
 c) $\frac{3}{4}$
 d) π

RATIONAL NUMBERS	IRRATIONAL NUMBERS

2. Equivalent Fractions – Determine the equivalent fraction for each of the following. (3)

a) $\frac{2}{3} = \frac{\quad}{9}$

b) $\frac{12}{15} = \frac{\quad}{30}$

c) $\frac{5}{6} = \frac{20}{\quad}$

3. Find two rational numbers that lie between the numbers below. (8)

a) 0 and -1

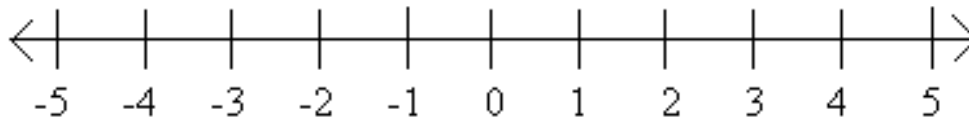
c) 0.7 and 0.71

b) $\frac{1}{4}$ and $\frac{1}{5}$

d) $-\frac{3}{4}$ and -0.8

4. Order the following rational numbers on the number line below. (4)

$$0.6, \quad -0.\overline{3}, \quad -2.5, \quad 3.\overline{6}, \quad 4\frac{1}{2}, \quad -1\frac{3}{10}, \quad -\frac{23}{5}, \quad \frac{-11}{3}$$



5. Write each rational number as a decimal (without the use of a calculator). (3)

a) $\frac{2}{5}$

b) $\frac{9}{10}$

c) $\frac{4}{9}$

6. Determine which number is greater. Circle the greater number. (3)

a) $\frac{3}{4}$ $\frac{3}{5}$

b) $-\frac{6}{7}$ $-\frac{7}{6}$

c) $1\frac{3}{4}$ $\frac{12}{9}$