

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)  $\pi$

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

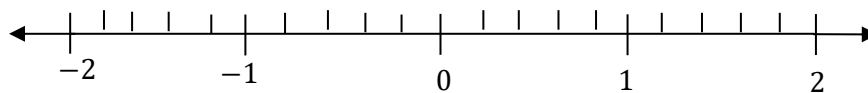
c) -0.7 and -0.8

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. **(3)**

-2                       $\frac{4}{3}$                       -1.1                       $-\frac{1}{9}$                       0.7                       $1\frac{3}{4}$



5. Write each rational number as a decimal (without the use of a calculator). **(2)**

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

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