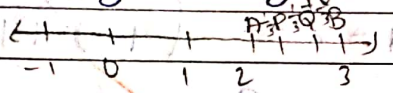


$$P = \frac{6+1}{3} = \frac{7}{3}$$

$$Q = \frac{6+2}{3} = \frac{8}{3}$$



6. Which of the following pairs represent the same rational number?

a. $-\frac{1}{3}$ and $\frac{3}{9}$

b. $-\frac{16}{20}$ and $\frac{20}{25}$

Ans. $-\frac{1}{3}$ and $\frac{3}{9}$
 $= \frac{-1}{3} = \frac{1}{3}$
 Since $\frac{-1}{3} \neq \frac{1}{3}$

the numbers are not same.

Ans. $-\frac{16}{20}$ and $\frac{20}{25}$
 $= \frac{-4}{5}$ and $\frac{4}{5}$
 Since $-\frac{4}{5}$ is equal $\frac{4}{5}$

the numbers are same.

c. $\frac{-2}{-3}$ and $\frac{2}{3}$

Ans: $\frac{-2}{-3} = \frac{2}{3}$ and $\frac{2}{3}$
are same numbers.

b. $\frac{8}{-5}$ and $-\frac{8}{15}$

Ans: $\frac{8}{-5}$
 $-\frac{8}{15} \neq \frac{8}{-5}$
 $\frac{8}{-5}$ is equal $-\frac{8}{5}$
This numbers
are same.

d. $\frac{-3}{-5}$ and $\frac{-10}{20}$

Ans: $\frac{-3}{-5} = \frac{3}{5}$ is equal $\frac{3}{5}$
This numbers are same

b. $\frac{1}{3}$ and $-\frac{1}{9}$

Ans: $\frac{1}{3}$
 $-\frac{1}{9}$
 $\frac{1}{3} \neq -\frac{1}{9}$

This numbers are not
same.

1. $\frac{-5}{-9}$ and $\frac{5}{-9}$

Ans $\frac{-5}{-9} = \frac{5}{9}$

$\frac{5}{-9} = \frac{5}{-9}$

$\frac{5}{9} \neq \frac{5}{-9}$

4. Rewrite the following rational numbers in the Simplest form.

a. $\frac{-8}{6}$

Ans. $\frac{-4}{3}$

b. $\frac{45}{45}$

Ans. $\frac{1}{1}$

c. $\frac{-24}{36}$

Ans. $\frac{-2}{3}$

d. $\frac{-8}{10}$

Ans. $\frac{-4}{5}$

Fill in the blanks with the correct symbol

$$\frac{-5}{7} \quad \square \quad \frac{2}{3}$$

$$\frac{-5 \times 3}{7 \times 3} = \frac{-15}{21}$$

$$\frac{2 \times 7}{3 \times 7} = \frac{14}{21}$$

$$\frac{-15}{21} \quad \square \quad \frac{14}{21}$$

~~Q. $\frac{-4}{5} \quad \square \quad \frac{-5}{7}$~~

~~Ans. $\frac{-4 \times 7}{5 \times 7} = \frac{-28}{35}$~~

~~$\frac{-5 \times 5}{7 \times 5} = \frac{-25}{35}$~~

~~$\frac{-28}{35} \quad \square \quad \frac{-25}{35}$~~

$$\frac{7}{8} \quad \square \quad \frac{14}{16}$$

$$\frac{7 \times 2}{8 \times 2} = \frac{14}{16}$$

$$\frac{14 \times 1}{16 \times 1} = \frac{14}{16}$$

$$\frac{14}{16} \quad \square \quad \frac{14}{16}$$

~~Q. $\frac{-8}{5} \quad \square \quad \frac{-4}{7}$~~

~~Ans. $\frac{-8 \times 4}{5 \times 4} = \frac{-32}{20}$~~

~~$\frac{-4 \times 5}{7 \times 5} = \frac{-20}{35}$~~

~~$\frac{-32}{20} \quad \square \quad \frac{-20}{35}$~~