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# Concept CW_Grade-7_Rational Numbers

## Equivalence and Standard Form of Rational Numbers

**Choose correct answer(s) from the given choices**

**(1)** Which of the following is/are pair(s) of equivalent rational numbers?

**a.** $\frac{-2}{7}, \frac{20}{71}$

**b.** $\frac{4}{13}, \frac{28}{92}$

**c.** $\frac{16}{-25}, \frac{-32}{50}$

**d.** $\frac{-23}{26}, \frac{69}{78}$

**(2)** Reduce the rational number $\frac{20}{15}$ to the lowest form.

**a.** $\frac{20}{3}$

**b.** $\frac{4}{3}$

**c.** $\frac{15}{20}$

**d.** $\frac{4}{15}$

**(3)** If $\frac{-8}{X} = \frac{X}{8}$, then X is _____.

**a.** not a rational number

**b.** a whole number

**c.** a rational number

**d.** an integer

**(4)** If $\frac{p}{q} = \frac{m}{n}$ then which of the following is always true?

**a.** $\frac{p}{n} = \frac{m}{q}$

**b.** $\frac{q}{p} = \frac{m}{n}$

**c.** $p \times m = n \times q$

**d.** $p \times n = m \times q$

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**(5)** Which of the following rational numbers is in the standard form?

**a.** $\frac{40}{56}$ **b.** $\frac{27}{63}$

**c.** $\frac{68}{75}$ **d.** $\frac{63}{77}$

## Fill in the blanks

**(6)** Fill in the blank to make the two rational numbers equivalent.

**A)** $\frac{\square}{29} = \frac{72}{116}$ **B)** $\frac{8}{20} = \frac{112}{\square}$

**(7)** If $\frac{4}{-5} = \frac{-12}{X}$, then X = _____.

**(8)** Write a multiple of $\frac{-7}{-6}$ rational number.

**(9)** Write the standard form of the rational number $\frac{69}{-92}$.

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