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MATHEMATICS – WORKSHEET

1 A number of the form p/q is said to be a rational number if

    a) P and q are integers
    b) P and q are integers and $q \neq 0$
    c) P and q are integers and $p \neq 0$
    d) P and q are integers and $p \neq 0$ *also* $q \neq 0$

2 The numerical expression $(3/8) + (-5/7) = (-19/56)$ shows that

    a) Rational numbers are closed under addition
    b) Rational numbers are not closed under addition
    c) Rational numbers are closed under multiplication
    d) Addition of rational numbers is not commutative

3 Which of the following is not true?

    a) Rational numbers are closed under addition
    b) Rational numbers are closed under subtraction
    c) Rational numbers are closed under multiplication
    d) Rational numbers are closed under division

4 $(-3/8) + (1/7) = (1/7) + (-3/8)$ is an example to show that

    a) Addition of rational numbers is commutative
    b) Rational numbers are closed under addition
    c) Addition of rational number is associative
    d) Rational numbers are distributive under addition