

Sample Polynomial Puzzle

A nine-piece puzzle is shown below. Cut out each of the nine puzzle pieces. Then, solve the puzzle by placing the matching sides of the puzzle together. Match each multiplication or division expression with its equivalent expression.

$$\frac{9xz}{(-3xz)}$$

$$5x(3 - 2y)$$

$$-3x + 2$$

$$\frac{15x^2 - 10x}{-5x}$$

$$(4x)(-5y)$$

$$24x^2$$

$$-5y(2x + 3y)$$

$$3x - 4$$

$$\frac{2xy}{2x}$$

$$-20xy$$

$$2x(3x - 5)$$

$$\frac{-4.8x^2}{1.2x}$$

$$12yz$$

$$x + 3$$

$$\frac{9x^2 - 12x}{3x}$$

$$y$$

$$(3yz)(4)$$

$$15x - 10xy$$

$$\frac{3xy + 9y}{3y}$$

$$(-3x)(-8x)$$

$$6x^2 - 10x$$

$$-3$$

$$-10xy - 15y^2$$

$$-4x$$

