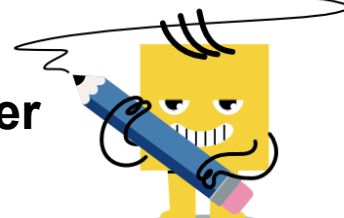




Algebra with Exponents - Binomial over Binomial and Constant



1

Simplify and solve for z

$$3^{\left(\frac{z+7}{z-6}\right)} = 9$$

A

B

$$z = 19 \quad z = 20$$

2

Simplify and solve for w

$$5^{\left(\frac{w-9}{w-3}\right)} = 25$$

A

B

$$w = -2 \quad w = -3$$

3

Simplify and solve for y

$$2^{\left(\frac{y+8}{y-7}\right)} = 16$$

A

B

$$y = 11 \quad y = 12$$

4

Simplify and solve for w

$$5^{\left(\frac{w-3}{w-7}\right)} = 25$$

A

B

$$w = 11 \quad w = 12$$

5

Simplify and solve for p

$$3^{\left(\frac{p-4}{p-5}\right)} = 9$$

A

B

$$p = 7 \quad p = 6$$

6

Simplify and solve for x

$$2^{\left(\frac{x+6}{x-8}\right)} = 8$$

A

B

$$x = 14 \quad x = 15$$

7

Simplify and solve for w

$$3^{\left(\frac{w+5}{w-8}\right)} = 9$$

A

B

$$w = 21 \quad w = 22$$

8

Simplify and solve for t

$$3^{\left(\frac{t+8}{t-5}\right)} = 9$$

A

B

$$t = 18 \quad t = 20$$