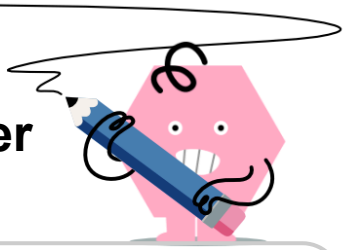
Name

Algebra with Exponents - Binomial over Constant and Monomial



1

Simplify and solve for y

$7^{\left(\frac{y+9}{5}\right)} = 49^{y}$

A	B
$y = 1$	$y = 3$

2

Simplify and solve for z

$6^{\left(\frac{z+9}{5}\right)} = 36^{z}$

A	B
$z = 1$	$z = 3$

3

Simplify and solve for n

$6^{\left(\frac{n+9}{5}\right)} = 36^{n}$

A	B
$n = 1$	$n = 2$

4

Simplify and solve for m

$5^{\left(\frac{m+6}{2}\right)} = 25^{m}$

A	B
$m = 3$	$m = 2$

5

Simplify and solve for r

$7^{\left(\frac{r+9}{2}\right)} = 49^{r}$

A	B
$r = 5$	$r = 3$

6

Simplify and solve for t

$8^{\left(\frac{t+7}{4}\right)} = 64^{t}$

A	B
$t = 0$	$t = 1$

7

Simplify and solve for p

$4^{\left(\frac{p-9}{2}\right)} = 16^{p}$

A	B
$p = -3$	$p = -2$

8

Simplify and solve for n

$8^{\left(\frac{n+9}{2}\right)} = 64^{n}$

A	B
$n = 3$	$n = 5$