



Exponents - Power of X plus Power of (X+N)

1

Solve for 'x'

$$5^x + 5^{x+1} = 150$$

A	B	C	D	E	F
x=8	x=7	x=2	x=10	x=5	x=11

2

Solve for 'x'

$$3^x + 3^{x+1} = 108$$

A	B	C	D	E	F
x=5	x=2	x=6	x=3	x=7	x=4

3

Solve for 'x'

$$2^x + 2^{x+1} = 24$$

A	B	C	D	E	F
x=3	x=7	x=12	x=1	x=9	x=2

4

Solve for 'x'

$$2^x + 2^{x+1} = 12$$

A	B	C	D	E	F
x=5	x=10	x=4	x=9	x=2	x=3

5

Solve for 'x'

$$2^x + 2^{x+1} = 96$$

A	B	C	D	E	F
x=3	x=5	x=1	x=8	x=2	x=9

6

Solve for 'x'

$$2^x + 2^{x+1} = 48$$

A	B	C	D	E	F
x=7	x=10	x=4	x=1	x=5	x=12

7

Solve for 'x'

$$3^x + 3^{x+1} = 36$$

A	B	C	D	E	F
x=11	x=3	x=5	x=10	x=2	x=6

8

Solve for 'x'

$$4^x + 4^{x+1} = 80$$

A	B	C	D	E	F
x=7	x=4	x=9	x=1	x=2	x=5