#1

Write the expressions using exponents.

$$16 \times 16 \times 12 = 16^w 12^x$$

- ○ $w = 3, x = 3$
- ○ $w = 2, x = 1$
- ○ $w = 4, x = 2$
- ○ $w = 5, x = 4$

Show your work

#2

Write the expressions using exponents.

$$39 \times 39 \times 39 \times 39 = 39^w$$

- ○ $w = 4$
- ○ $w = 2$
- ○ $w = 5$
- ○ $w = 3$

Show your work

#3

Write the expressions using exponents.

$$35 \times 35 \times 35 \times 12 = 35^w 12^x$$

- ○ $w = 1, x = 2$
- ○ $w = 5, x = 4$
- ○ $w = 3, x = 1$
- ○ $w = 2, x = 3$

Show your work

#4

Write the expressions using exponents.

$$47 \times 47 \times 47 = 47^w$$

   ○ $w = 2$ ○ $w = 1$

   ○ $w = 3$ ○ $w = 5$

Show your work

#5

Write the expressions using exponents.

$$12 \times 12 \times 12 \times 12 \times 38 = 12^w 38^x$$

   ○ $w = 5, x = 2$ ○ $w = 4, x = 1$

   ○ $w = 3, x = 3$ ○ $w = 1, x = 4$

Show your work

#6

Write the expressions using exponents.

$$42 \times 42 \times 42 \times 42 \times 39 = 42^w 39^x$$

   ○ $w = 4, x = 1$ ○ $w = 3, x = 2$

   ○ $w = 1, x = 4$ ○ $w = 5, x = 3$

Show your work

#7

Write the expressions using exponents. Enter a number in every blank.

$$50 \times 50 \times 1 \times 1 \times 1 = 50^{\boxed{}} \times 1^{\boxed{}}$$

Show your work

#8

Write the expressions using exponents.

$$5 \times 5 \times 5 = 5^{\boxed{}}$$

Show your work

#9

Write the expressions using exponents.

$$42 \times 42 = 42^{w}$$

○ $w = 5$ ○ $w = 1$

○ $w = 2$ ○ $w = 4$

Show your work

#10

Write the expressions using exponents.

$$46 \times 46 = 46^w$$

○ $w = 5$ ○ $w = 3$

○ $w = 4$ ○ $w = 2$

Show your work

#11

Write the expressions using exponents.

$$35 \times 21 \times 21 \times 21 = 35^w 21^x$$

○ $w = 4, x = 4$ ○ $w = 2, x = 2$

○ $w = 3, x = 1$ ○ $w = 1, x = 3$

Show your work

#12

Write the expressions using exponents.

$$28 \times 28 \times 28 \times 43 = 28^w 43^x$$

○ $w = 4, x = 4$ ○ $w = 5, x = 3$

○ $w = 3, x = 1$ ○ $w = 2, x = 2$

Show your work

Question	Answer
#1	choice 2
#2	choice 1
#3	choice 3
#4	choice 3
#5	choice 2
#6	choice 1
#7	2, 3
#8	3
#9	choice 3
#10	choice 4
#11	choice 4
#12	choice 3

Math Games