MATH-7

# MMS_Sisson 7.1a Practice

Exam ID:163Y68

Exam not valid for Paper Pencil Test Sessions

1 **Which of the following shows 3 x 3 x 3 x 3 written in exponential notation?**

A $3^4$
B 81
C 12
D $4^3$

2 **What would be the value of the *seventh* term if the following pattern continues?**

$10^1 = 10$
$10^2 = 100$
$10^3 = 1{,}000$
$10^4 = 10{,}000$

A 1,000,000
B 100,000,000
C 10,000,000
D 100,000

3 **Which of the following is NOT equivalent to four cubed?**

A $4^3$
B $4 \times 3$
C $4 \times 4 \times 4$
D 64

4 **Look at the table.**

| | Fraction Form | Decimal Form |
|---|---|---|
| A | $\frac{1}{10^{-6}}$ | 0.000001 |
| B | $\frac{1}{10^{-5}}$ | 0.000001 |
| C | $\frac{1}{10^{6}}$ | 0.0000001 |
| D | $\frac{1}{10^{5}}$ | 0.00001 |

**Which row in the table illustrates an equivalent fraction and decimal form?**

A Row D
B Row A
C Row C
D Row B

5 **Which is NOT equivalent to $10^{-4}$?**

A $\frac{1}{10,000}$
B $\frac{1}{10^{4}}$
C $\frac{1}{1000}$
D 0.0001

6 Click on the box to choose the number or expression. You must select all correct examples.

**Select all answers that are equivalent to to $10^{-3}$**

| |
|---|
| 0.0001 |
| $\frac{1}{100}$ |
| 0.001 |
| $\frac{1}{1,000}$ |

7 Fill in the blank with the correct number.

**What number must *x* be replaced with to result in the answer of 1?**

**x =**

**$10^x$**

8 Click and drag each selected number to the correct box.

**Using the pattern in the table, find the equivalent decimal.**

| Power of 10 | Standard Form |
|---|---|
| $10^{-6}$ | 0.000001 |
| $10^{-5}$ | |
| $10^{-4}$ | 0.0001 |
| $10^{-3}$ | 0.001 |
| $10^{-2}$ | |
| $10^{-1}$ | 0.1 |
| $10^{0}$ | |
| $10^{1}$ | |

9 Directions: Type your answer in the box.

**What value of *x* makes the statement true?**

$$\left(\frac{1}{10}\right)\cdot\left(\frac{1}{10}\right)\cdot\left(\frac{1}{10}\right)\cdot\left(\frac{1}{10}\right)\cdot\left(\frac{1}{10}\right)=10^{x}$$

***x* =**

10 **Which is equivalent to $10^{-2}$?**

A $\frac{1}{100}$

B 100

C $\frac{1}{10}$

D 0.001