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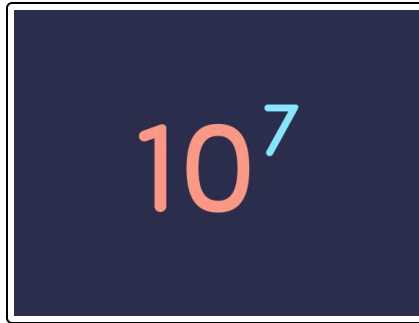
Powers of 10

1. **Find the expression of the power of ten.**

2. Define powers of ten.

3. Match powers of ten with their standard form number.

4. Connect powers of 10 with the expression or standard form.

5. Complete the table.

6. Present the information in different forms.

+. with many hints, answer keys, and solution approaches for all tasks

⚠️ The complete package, **including all tasks, hints, solutions, and solution approaches**, is available to all subscribers of sofatutor.com

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Worksheet: Powers of 10
Math / Numbers and Operations / Multiplication / Properties of Multiplication / Powers of 10

1
from 6

Find the expression of the power of ten.

Select the expression that matches the power of ten shown below.

$$10^7$$

A
10 x 10 x 10 x 10

B
10 x 10 x10 x10 x10 x10 x10 x10 x10 x10

C
10 x 7

D
10 x 10 x 10 x 10 x 10 x 10 x 10

Our hints for the tasks

① from 6 Find the expression of the power of ten.

1. Hint

Powers of Ten		
Power	Expression	Standard Form
10^1	10	10
10^2	10×10	100

The *same number* can be written in different ways but always has *the same value*.

Example: 10^2 is the same number as:

- **10 x 10** (2 times)
- **100** (2 zeros)
- **one hundred** (written)

2. Hint

10^4 represents the expression of 10 multiplied by 10 **4 times**. (10 x 10 x10 x10).

Solutions and solution approaches for the tasks

1
from 6

Find the expression of the power of ten.

Answer key: D

10^7 is the same as **10 x 10 x 10 x 10 x 10 x 10 x 10** and is the same as 10,000,000.