**EXERCISE 2.6**

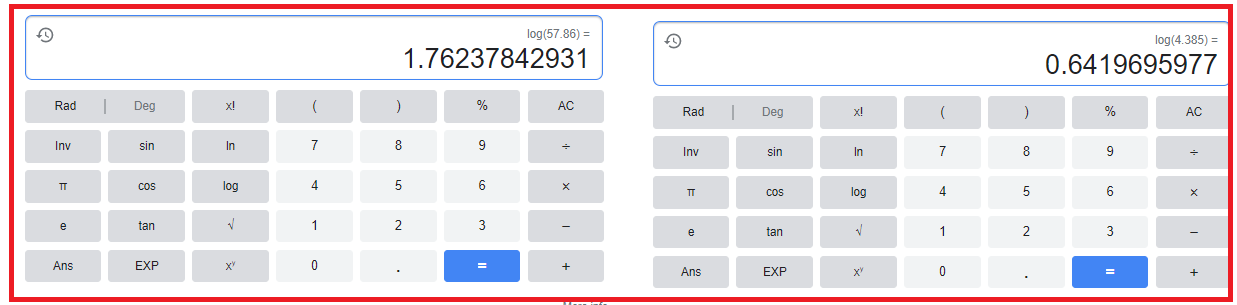
1. **Find the values of the following by using logarithms.**

**STEP-1: Suppose X =**

**X =**

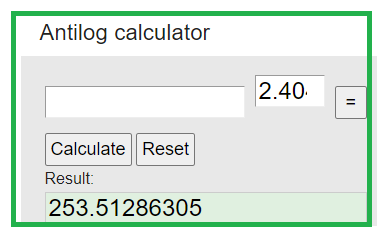
**STEP-2: Multiply Log on both sides**

**STEP-3: Check the value of log in calculator**

****

**STEP-4: Multiply Antilog on Both Sides**

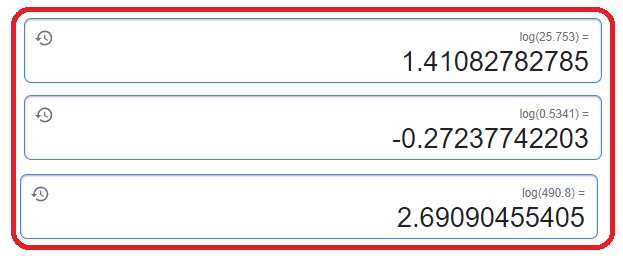
**STEP-5: Check the value of Antilog in calculator**

****

**STEP-1: Suppose X =**

**STEP-2: Multiply Log on both sides**

**STEP-3: Check the value of log in calculator**

****

**STEP-4: Multiply Antilog on Both Sides**

**STEP-5: Check the value of Antilog in calculator**

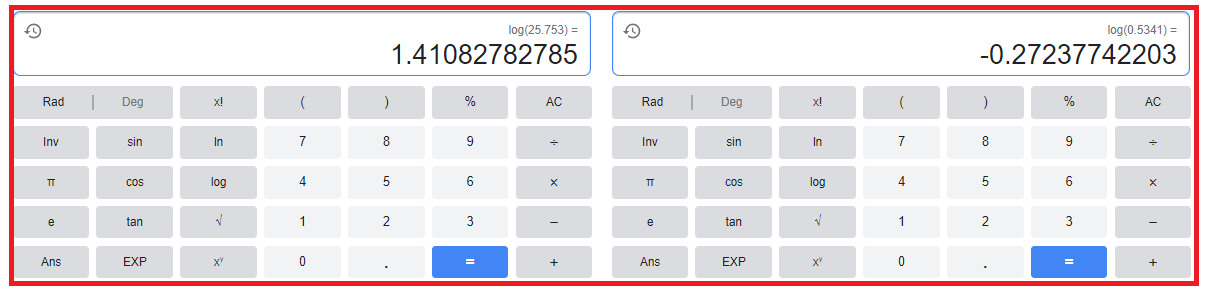
**Graphical user interface, application

Description automatically generated**

**STEP-1: Suppose X =**

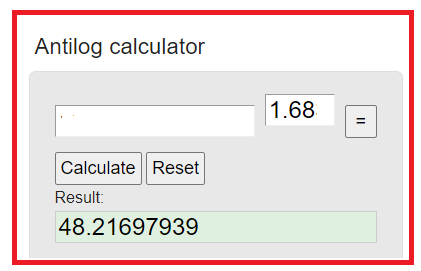
**STEP-2: Multiply Log on both sides**

**STEP-3: Check the value of log in calculator**

****

**STEP-4: Multiply Antilog on Both Sides**

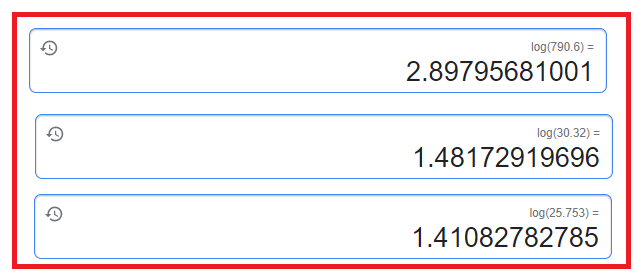
**STEP-5: Check the value of Antilog in calculator**

****

**STEP-1: Suppose X =**

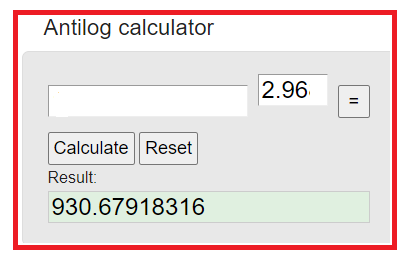
**STEP-2: Multiply Log on both sides**

**STEP-3: Check the value of log in calculator**

****

**STEP-4: Multiply Antilog on Both Sides**

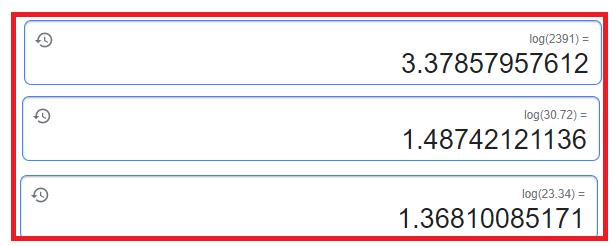
**STEP-5: Check the value of Antilog in calculator**

****

**STEP-1: Suppose X =**

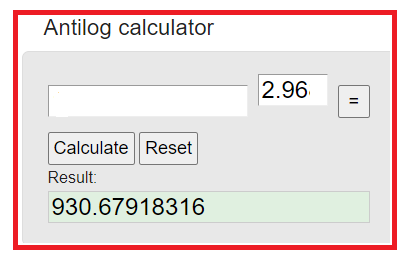
**STEP-2: Multiply Log on both sides**

**STEP-3: Check the value of log in calculator**

****

**STEP-4: Multiply Antilog on Both Sides**

**STEP-5: Check the value of Antilog in calculator**

****

**EXERCISE 2.6**

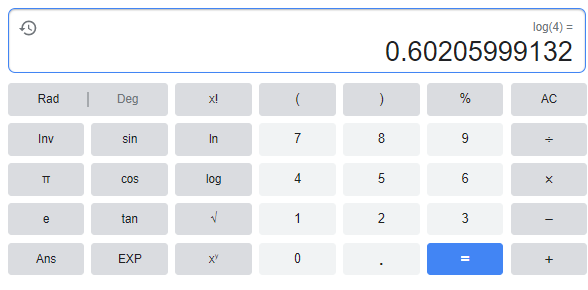
**Q2. Find the number of digits in the following.**

1. **412**

**STEP-1: Suppose X =**

**STEP-2: Multiply Log on both sides**

**STEP-3: Check the value of log in calculator**

****

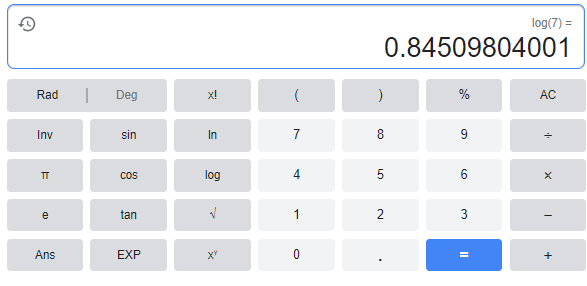
**STEP-4: Check Characteristics and add 1**

1. **752**

**STEP-1: Suppose X =**

**STEP-2: Multiply Log on both sides**

**STEP-3: Check the value of log in calculator**

****

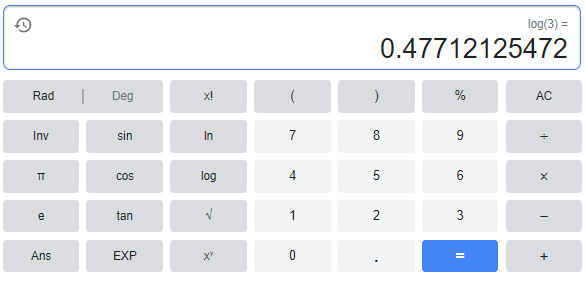
**STEP-4: Check Characteristics and add 1**

1. **330**

**STEP-1: Suppose X =**

**STEP-2: Multiply Log on both sides**

**STEP-3: Check the value of log in calculator**

****

**STEP-4: Check Characteristics and add 1**

1. **35**

**STEP-1: Suppose X =**

**STEP-2: Multiply Log on both sides**

**STEP-3: Check the value of log in calculator**

**Table

Description automatically generated**

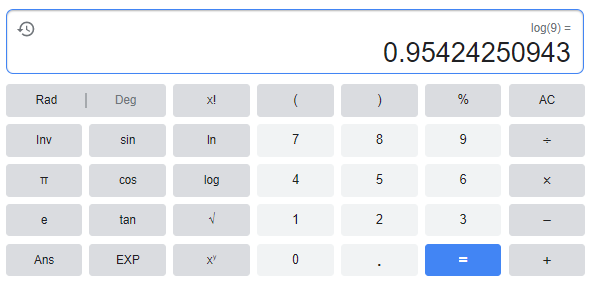
**STEP-4: Check Characteristics and add 1**

1. **94**

**STEP-1: Suppose X =**

**STEP-2: Multiply Log on both sides**

**STEP-3: Check the value of log in calculator**

****

**STEP-4: Check Characteristics and add 1**