

## CHAPTER-1 | LARGE NUMBERS AROUND US

QUIZ  
PART-09

1. To make a number in the fewest button clicks, we should mainly use:
- Smaller buttons
  - Larger buttons
  - Only +1
  - Random buttons

**Explanation:** The chapter says that the larger the button value, the smaller the number of clicks needed.

2. The fewest-click expression for 8300 is:
- $83 \times 100$
  - $8 \times 1000 + 3 \times 100$
  - $830 \times 10$
  - $8300 \times 1$

**Explanation:** Using larger buttons first gives 8 thousands and 3 hundreds, so  $8 \times 1000 + 3 \times 100 = 8300$  in the least clicks.

3. The digit 4 in 40629 stands for:
- 4 ones
  - 4 tens
  - 4 thousands
  - 4 ten-thousands

**Explanation:** In 40629, the 4 is in the ten-thousands place, so it means 40,000. The chapter connects least-click expressions with place value.

4. The fewest-click expression for 40629 is:
- $4 \times 10000 + 6 \times 100 + 2 \times 10 + 9 \times 1$
  - $40 \times 1000 + 6 \times 100 + 2 \times 10 + 9 \times 1$
  - $406 \times 100 + 29 \times 1$
  - $4 \times 1000 + 629 \times 1$

**Explanation:**  $40629 = 4$  ten-thousands + 6 hundreds + 2 tens + 9 ones, so this uses the correct place values with few clicks.

5. In 56354, the digit 6 is in the:
- Thousands place
  - Hundreds place
  - Tens place
  - Ten-thousands place

**Explanation:** In 56354, the places are 5 ten-thousands, 6 thousands, 3 hundreds, 5 tens, and 4 ones.

6. The fewest-click expression for 56354 is:
- $56 \times 1000 + 3 \times 100 + 5 \times 10 + 4$
  - $5 \times 10000 + 6 \times 1000 + 3 \times 100 + 5 \times 10 + 4 \times 1$
  - $563 \times 100 + 54 \times 1$
  - $5 \times 1000 + 6354 \times 1$

**Explanation:** This breaks the number exactly by place value and uses the biggest buttons first.

7. The fewest-click expression for 66666 is:
- $6 \times 10000 + 6 \times 1000 + 6 \times 100 + 6 \times 10 + 6 \times 1$
  - $66 \times 1000 + 66 \times 1$
  - $666 \times 100 + 6 \times 10$
  - $6 \times 100000 + 666 \times 1$

**Explanation:** The least-click form follows place value directly: ten-thousands, thousands, hundreds, tens, and ones.

8. In 367813, the digit 7 stands for:
- 7 hundreds
  - 7 thousands
  - 7 ten-thousands
  - 7 ones

**Explanation:** In 367813, the places are 3 lakhs, 6 ten-thousands, 7 thousands, 8 hundreds, 1 ten, and 3 ones.

9. The least-click expressions also show the:
- Roman numeral system
  - Fraction form
  - Indian place value notation
  - Table form only

**Explanation:** The chapter clearly says that the least-click expressions also give the Indian place value notation.

10. Why are the expressions written in multiples of 10, 100, 1000, etc.?
- Because the system is based on powers of 2
  - Because the system is based on powers of 10
  - Because only even numbers are used
  - Because commas create the value

**Explanation:** The chapter says the place value system is based on powers of 10, so the expressions use multiples like 10, 100, and 1000.