

Subtraction of 4-digit Numbers

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Subtraction of 4-digit numbers means taking away one 4-digit number from another 4-digit number to find the difference. We subtract numbers using place value columns – ones, tens, hundreds, and thousands.

Steps to Subtract 4-digit Numbers

Step 1: Arrange the numbers one below the other by place value

Step 2: Start subtracting from the ones place

Step 3: If the upper digit is smaller than the lower digit, borrow from the next place

Step 4: Continue the same till you reach the thousands place

Step 5: Write the final answer as the difference

Properties of Subtraction

Subtracting 0 from a number gives the same number. Example: $4567 - 0 = 4567$

Subtracting a number from itself gives zero. Example: $7342 - 7342 = 0$

Subtraction is not commutative. Changing the order gives a different result. Example: $9123 - 6543 \neq 6543 - 9123$

Example 1:

Question: Subtract 3,426 from 7,193

Solution: $7193 - 3426 = 3767$

Answer: $7,193 - 3,426 = 3,767$

Example 2:

Question: Subtract $\frac{2}{5}$ from $\frac{4}{5}$

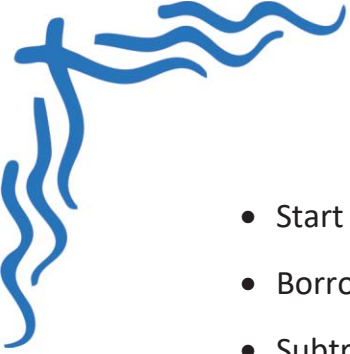
Solution: Denominators are the same, subtract the numerators $4 - 2 = 2$

$$\frac{4}{5} - \frac{2}{5} = \frac{2}{5}$$

Answer $= \frac{2}{5}$

Summary Points

- Subtraction of 4-digit numbers is done using place value columns



- Start subtracting from the ones place
- Borrow from the next digit if needed
- Subtracting 0 keeps the number same, subtracting a number from itself gives 0
- Subtract fractions only when the denominators are the same