

1. Fill the given blanks without actual additions.

(i) $25 + 35 = 60$ then $35 + 25 = \dots\dots\dots$

(ii) $105 + 307 = 412$ then $307 + 105 = \dots\dots\dots$

(iii) $605 + 350 = 955$ then $350 + 605 = \dots\dots\dots$

(iv) $(-105) + 70 = -35$ then $70 + (-105) = \dots\dots\dots$

2. Match the following

(i) $45 + (-25) = (-25) + 45$ () (A) Additive Identify

(ii) $(-5) + 2025 = 2020$ () (B) Additive Inverse

(iii) $(6+7) + (-4) = 6+(7+(-4))$ () (C) Asociative property under addition

(iv) 3, -3 are called as to () (D) Closure property under addition
each other

(v) Zero (0) () (E) Commutative property under addition
(F) Multiplicative identity.

3. Find the following using by using properties of addition.

(i) $25 + 45 + 65$

(ii) $(-50)+60+(-70)$

(iii) $607 + (-705) + (-402)$

(iv) $(-400) + 35 + (-25)$

4. Find the sum of 2020 and additive identity.

which property that $25 + (-10) + 25$ represents ? give reasons.

5. Find (i) $(4000+5000) + 6000$ (ii) $4000 + (5000 + 6000)$ (iii) $(4000+6000) + 5000$

What do you observe from the following sums what is the property followed here ?

6. What do you observe from the following sums what is the property followed here ?

7. Find (i) $309+0$ (ii) $(-39) + 0$ (iii) $0 + (-39)$ (iv) $5 + 0$

Write the name of the property used here

8. Find the following (i) $6 + 1 = \dots\dots\dots$ (ii) $1 + 6 = \dots\dots\dots$ (iii) $(-35) + 1 = \dots\dots\dots$

What do you observe (By adding '1' to any integer/number).