

# Properties of Addition Worksheet

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Commutative Property	$a + b = b + a$
Associative Property	$a + (b + c) = (a + b) + c$
Identity Property	$a + 0 = a$
Inverse Property	$a + (-a) = 0$

A) Use the above properties to find the missing numbers.

①  $6 + \boxed{0} = 6$

②  $3 + 7 = \boxed{\phantom{00}} + 3$

③  $6 + 7 = 7 + \boxed{\phantom{00}}$

④  $5 + 15 = 15 + \boxed{\phantom{00}}$

⑤  $0 + 18 = \boxed{\phantom{00}}$

⑥  $3 + (4 + 8) = (3 + 4) + \boxed{\phantom{00}}$

⑦  $8 + 9 = \boxed{\phantom{00}} + 8$

⑧  $5 + (7 + 9) = (5 + \boxed{\phantom{00}}) + 9$

⑨  $6 + (-6) = \boxed{\phantom{00}}$

⑩  $(2 + 3) + 5 = \boxed{\phantom{00}} + (3 + 5)$

B) Tick the correct option from (i), (ii) or (iii).

①  $3 + 5 =$

(i)  $2 + 7$

(ii)  $5 + 3$

(iii)  $5 + 2$

②  $1 + (8 + 9) =$

(i)  $(2 + 3) + 9$

(ii)  $1 + (8 + 3)$

(iii)  $(1 + 8) + 9$

③  $0 + 65 =$

(i) 0

(ii) 56

(iii) 65

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## Answers

Commutative Property	$a + b = b + a$
Associative Property	$a + (b + c) = (a + b) + c$
Identity Property	$a + 0 = a$
Inverse Property	$a + (-a) = 0$

A) Use the above properties to find the missing numbers.

①  $6 + \boxed{0} = 6$

②  $3 + 7 = \boxed{7} + 3$

③  $6 + 7 = 7 + \boxed{6}$

④  $5 + 15 = 15 + \boxed{5}$

⑤  $0 + 18 = \boxed{18}$

⑥  $3 + (4 + 8) = (3 + 4) + \boxed{8}$

⑦  $8 + 9 = \boxed{9} + 8$

⑧  $5 + (7 + 9) = (5 + \boxed{7}) + 9$

⑨  $6 + (-6) = \boxed{0}$

⑩  $(2 + 3) + 5 = \boxed{2} + (3 + 5)$

B) Tick the correct option from (i), (ii) or (iii).

①  $3 + 5 =$

(i)  $2 + 7$

(ii)   $5 + 3$

(iii)  $5 + 2$

②  $1 + (8 + 9) =$

(i)  $(2 + 3) + 9$

(ii)  $1 + (8 + 3)$

(iii)   $(1 + 8) + 9$

③  $0 + 65 =$

(i)  $0$

(ii)  $56$

(iii)   $65$