Worksheet 7: Using the Number Line to Add and Subtract

Class 6 | Ganita Prakash | Practice Worksheet

Name: _____	**Class:** _____	**Section:** _____
Date: _____		

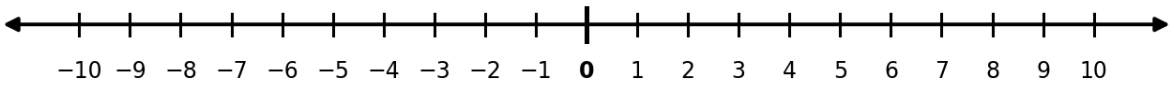
How to use the number line

- Always START at the first number of the expression.
- Addition: adding a positive integer → move to the RIGHT; adding a negative integer → move to the LEFT.
- Subtraction: subtracting a positive integer → move to the LEFT; subtracting a negative integer → move to the RIGHT (opposite of addition).
- Draw an arrow for the movement. The point where the arrow ends is the answer. Example: (−1) + (+5): start at −1, move 5 steps right → +4.

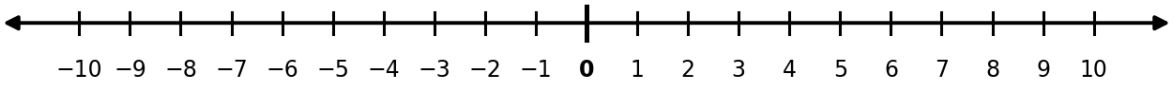
A. Solve Using the Number Line [15 × 1 = 15 marks]

Draw arrows on the number line to show the movement, then write the answer.

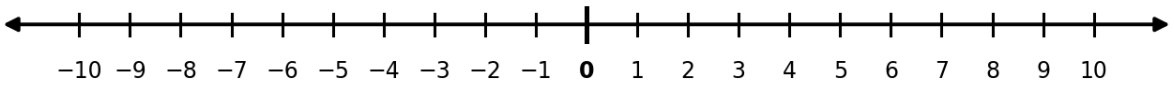
1. (+3) + (+4) = _____



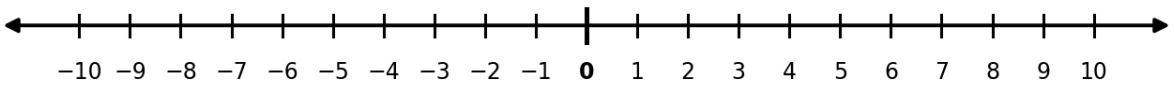
2. (−2) + (−5) = _____



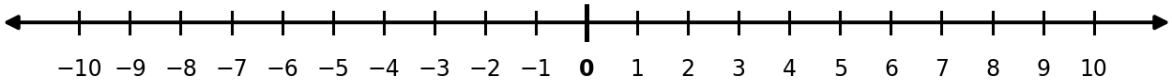
3. (+6) + (−4) = _____



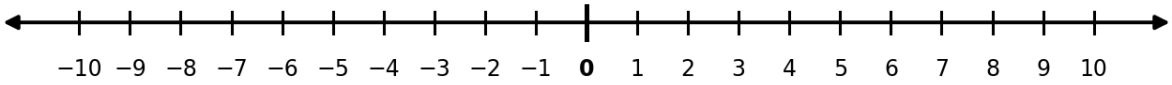
4. (−3) + (+9) = _____



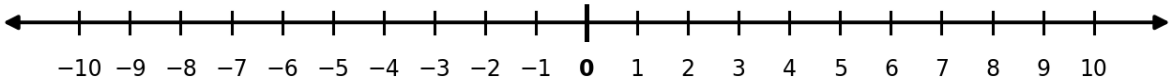
5. (+2) + (−7) = _____



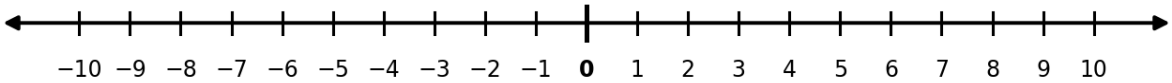
6. (−6) + (+6) = _____



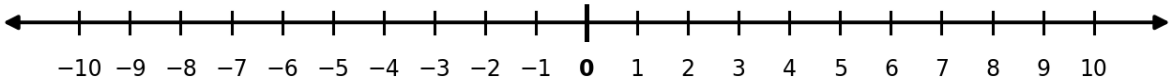
7. (−4) + (−4) = _____



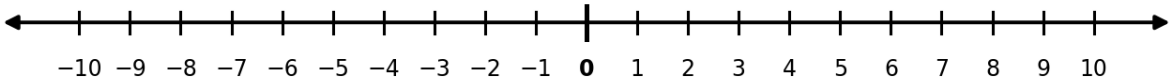
8. (+7) + (−9) = _____



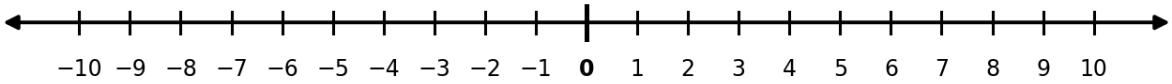
9. (+8) − (+2) = _____



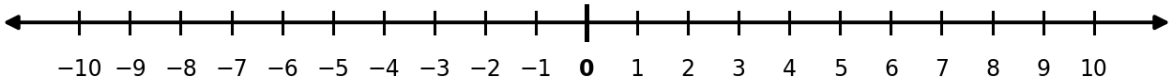
10. (+4) − (+9) = _____



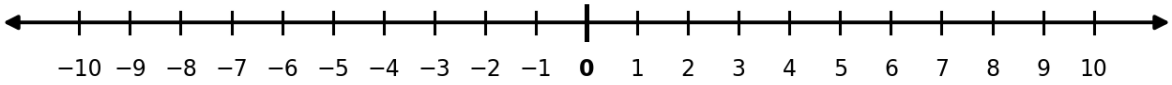
11. (−2) − (−6) = _____



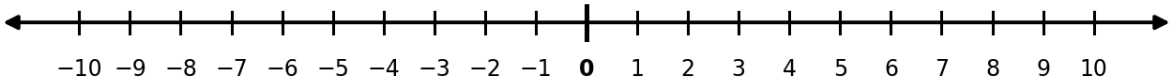
12. (−9) − (−4) = _____



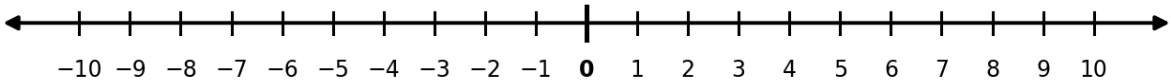
13. (+3) − (−5) = _____



14. (−1) − (+7) = _____



15. (−5) − (+4) = _____



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ANSWER KEY

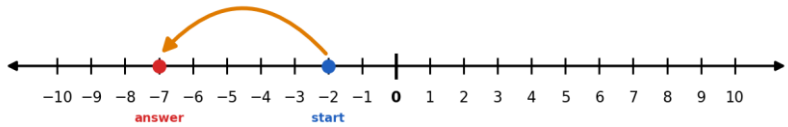
Using the Number Line to Add and Subtract

A. Solve Using the Number Line

1. **(+3) + (+4) = +7** Start at +3, move 4 steps to the right.



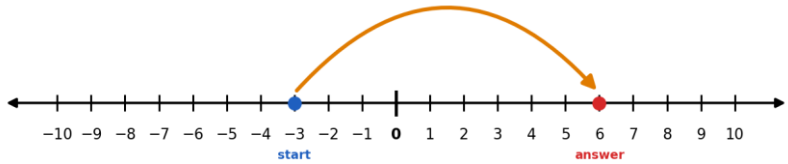
2. **(−2) + (−5) = −7** Start at −2, move 5 steps to the left.



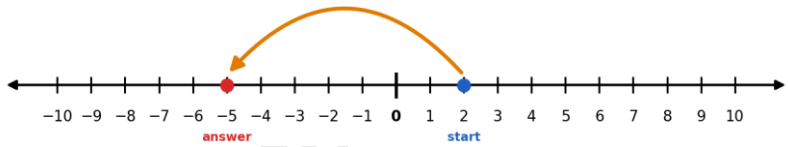
3. **(+6) + (−4) = +2** Start at +6, move 4 steps to the left.



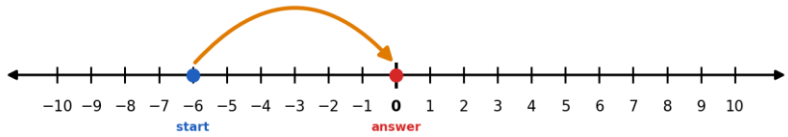
4. **(−3) + (+9) = +6** Start at −3, move 9 steps to the right.



5. **(+2) + (−7) = −5** Start at +2, move 7 steps to the left.



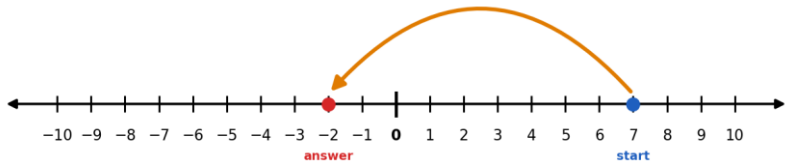
6. **(−6) + (+6) = 0** Start at −6, move 6 steps to the right.



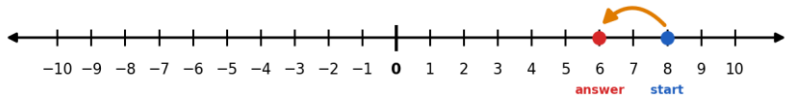
7. **(−4) + (−4) = −8** Start at −4, move 4 steps to the left.



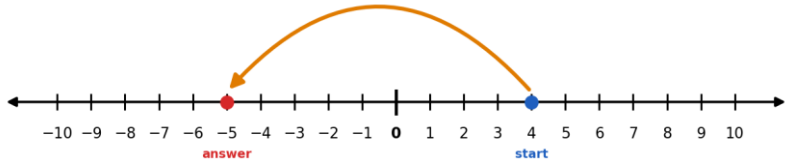
8. **(+7) + (−9) = −2** Start at +7, move 9 steps to the left.



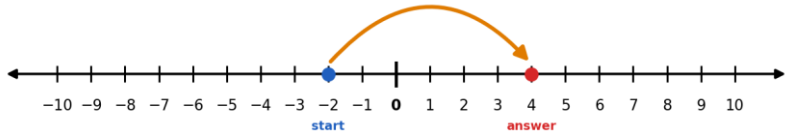
9. **(+8) − (+2) = +6** Start at +8, move 2 steps to the left.



10. **(+4) − (+9) = −5** Start at +4, move 9 steps to the left.



11. **(−2) − (−6) = +4** Start at −2, move 6 steps to the right.



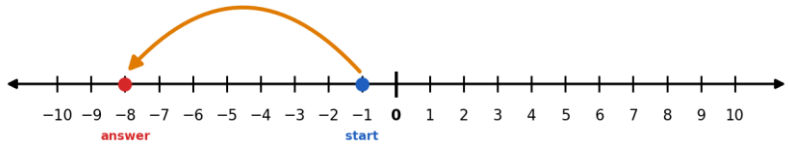
12. **(−9) − (−4) = −5** Start at −9, move 4 steps to the right.



13. **(+3) − (−5) = +8** Start at +3, move 5 steps to the right.



14. **(−1) − (+7) = −8** Start at −1, move 7 steps to the left.



15. **(−5) − (+4) = −9** Start at −5, move 4 steps to the left.

