egers

Addition of Intege	
Answer:	
of (-3) + (+5)?	
b) 2	
d) 8	
wing sums is equal to 0?	
b) (-4) + (+4)	
d) (-6) + (+2)	
3. What is the result of adding –7 and –3?	
b) +10	
d) +4	
⊦9, what do you get?	
b) +3	
d) +15	
nd (–5) is:	
b) +15	
d) +5	

B. Write the Missing Terms to Complete the Sentences:

- 1. (-8) + (-3) = _____
- 2. (+6) + (-6) = _____
- 3. The sum of two negative integers is always a ______ integer.
- 4. 0 added to any integer gives the _____ integer.
- 5. To add a negative number, we move to the _____ on the number line.

C. Figure out the answers to these questions:

- 1. Add the following integers using a number line: (+4) + (-7)
- 2. Solve: (-5) + (-9) + (+3)
- 3. A hot air balloon is at 15 meters above the ground. It descends by 20 meters. Represent this situation using integers and find the final position.
- 4. Find the sum of: (-11), (+8), (-4)
- 5. Write a word problem involving addition of two integers where one is negative.

- 6. Ravi lost ₹30 on Monday and ₹20 on Tuesday. How much did he lose in total? Represent the loss using integers.
- 7. Use a number line to show: (+2) + (-6)
- 8. Write two different integer pairs whose sum is -1.

D. Mark each sentence with a True (\checkmark) or False (X):

- 1. The sum of two positive integers is always negative.
- 2. Adding a negative number is like moving left on the number line.
- 3. The sum of a number and its opposite is always 0.
- 4. The sum of two negative integers is positive.
- 5. Zero has no effect on addition.

E. Challenge yourself with these questions:

- 1. Find the sum of -25 and +40 using the rule of signs.
- 2. Fill in the blank to make the equation true: $(-7) + ___ = -3$
- 3. Ria gained 12 points in a game and then lost 15. Represent this as an integer addition and find her final score.
- 4. Draw a number line and use it to find the value of (+6) + (-9).
- 5. Two submarines are at depths –20 m and –35 m. What is their total depth together?
- 6. The temperature dropped by 4°C on Monday and 6°C on Tuesday. What was the total drop in temperature over the two days?

F. Which is the additive inverse of the following.



- G. The sum of two integers is -20. If one of them is -9. What is the other?
- H. A place is 30 m above the sea level and another is 31m below the sea level. What is the distance between the two places?
- I. Add –46 to the difference of 200 and –324.