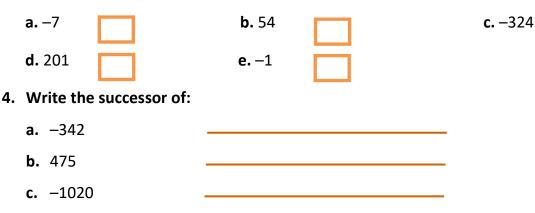
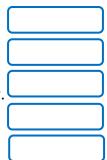
Addition of Integers

- 1. Draw a number line and represent each of the following on it.
 - a. (-4) + (-7) b. 8 + (-3) c. (-1) + (-3) +3 d. (-3) + 6 (-8)
- 2. Write T for true statement and F for false statement.
 - **a.** The sum of a negative integer and a positive integer is zero.
 - **b.** The sum of two negative integers is a positive integer.
 - c. The sum of a negative integer and a positive integer is a negative integer.
 - **d.** -31 is the successor of -30.
 - e. 1 is the identity element for addition of integers.

3. Which is the additive inverse of the following.



- 5. Insert the appropriate symbol < or > or = in the following blanks.
 - **a.** 30 (-54)54 + 30**b.** 75 + (-30)(-100) + (-30)**c.** 13 + (-8)13 + 8**d.** (-35 + 395)(-35) 395**e.** (-5) + (5)9 + (-9)



6. Fill in the blanks.

a.	(–549) + (435)	=	
b.	(–323) + (–124)	=	
c.	405 + 323	=	
d.	362 + (–623)	=	
e.	-109 +	=	-2/0
f.	-10 +	=	0
g.	232 +	=	- 40
h.	+ 215	=	-35

7. Simplify:

- **a.** (-6) + (-12) + 15 + (-8)
- **b.** 42 + (-63) + 33 + 41
- **c.** 153 + (-97) + 63 + (-54)
- **d.** 1095 + (-98) + 20 + (33)
- **e.** 32 + [(-20) 40] (-10)
- **f.** [76 (-51)] + [(-31)] 20]
- **g.** -120 + [(-89) 92]
- **h.** [-100 (-25)] + 75
- 8. Add the integers.
 - **a.** 88, 6004, 3704 **b.** 4657, 12 **c.** 2548, 2452

9. Solve the following.

- **a.** 2 + (-575) + (-575) + (-575) + (-575) + 2300
- **b.** 1372 + (-365) + (-878) + 679
- **c.** (-13) + 32 + (-8) -1
- **d.** (-7) + (-9) + (-80)

- 10. The sum of two integers is -20. If one of them is -9. What is the other?
- 11. 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?
- 12. Add -46 to the difference of 200 and -324.
- 13. Subtract the sum of 373 and -245 from the sum of -3478 and 3922.
- 14. The sum of two integers is –495. If one of them is –139, calculate the other.
- 15. Evaluate the following.
 - **a.** 1-2+3+-4+5-6+7-8 _____ -18+19-20
 - **b.** -9 -25 + 30 (-37) + 21 + 28 (-39) -14 31 + 40

16. Choose the correct option.

- a. The sum of two negative integers is
 - i) positive integer
 - iii) O



ii) negative integer	

- iv) none of these
- b. The integer 5 more than 4 is
 - i) 1 iii) –1

ii) 9	
iv) none of these	