



1. Integers



Addition of Integers

EXERCISE 1.1

1. Evaluate:

- a. $25 + (-36)$ _____ b. $-54 + 24$ _____ c. $0 + (-6)$ _____
d. $-2 + 25$ _____ e. $-87 + 87$ _____ f. $-8 + (-7)$ _____
g. $-6 + (-100)$ _____ h. $7 + (-90)$ _____ i. $-5 + 60$ _____

2. Which of the following gives result as 100? Circle them.

- $|+23| + (-123)$ $|-51| + |-49|$ $|-9| + 100$

3. Compare using $<$, $>$ or $=$.

- a. $-23 + 45$ _____ $-32 + 45$ b. $20 + (-10)$ _____ $-20 + (-10)$
c. $-1 + 100$ _____ $|-1| + 100$ d. $14 + 7$ _____ $-40 + 7$
e. $11 + 1$ _____ $|11| + 1$ f. $0 + (-2)$ _____ $-2 + (-2)$

4. Fill in the blanks:

- a. $(-13) + 7 = 7 +$ _____ $=$ _____
b. Sum of two integers is always an _____.
c. $(-93) +$ _____ $=$ _____ $+ (-93) = (-93)$
d. _____ is known as additive identity for integers.



5. Rishi is counting by 1's. If he starts counting at -30 , where would he reach after counting till 30? _____

6. Solve the following:

- a. $(-9) + (-10) + (-6) + 7$ _____
b. $100 + (-100) + (-100) + 100$ _____
c. $-8 + (-8) + (-8) + (-8)$ _____
d. $(-17) + (-19) + 26 + 60$ _____
e. $12 + (-12) + (-120) + (-26)$ _____



7. In a magic square each row, column and diagonal have the same sum, what is the value of A and B respectively? _____

1	-10	0
A	-3	-2
-6	4	B

8. Write the pair of integers whose sum gives zero. _____

9. Write a pair of negative integers whose sum gives -100. _____

10. Arrange the following in descending order:

a. $89 + 0$, $-23 + 23$, $0 + (-67)$, $-45 + 46$, $66 + (-60)$ _____

b. $1+11$, $-11+1$, $(-8) + 1$, $-8+ (-1)$, $-99+ 0$ _____

c. $23+ 0$, $-23 + 0$, $23+3$, $-23+23$, $-23 + (-23)$ _____

d. $4+0$, $-4+0$, $4+4$, $-4+4$, $44+4$, $-44+4$ _____

11. Verify associative property for the given integers:

a. $p = 6$, $q = (-8)$, $r = (-7)$ _____

b. $p = (-6)$, $q = 8$, $r = 0$ _____

c. $p = 100$, $q = (-881)$, $r = (-50)$ _____

d. $p = (-20)$, $q = (-10)$, $r = (-2)$ _____

e. $p = 1$, $q = (-1)$, $r = (-1)$ _____

12. Find $26 + 65$ and $|-26| + |-65|$. Are they equal? _____

Subtraction of Integers

EXERCISE 1.2

1. Draw a number line from -10 to 10 in your notebook and circle the difference of given integers.

a. $-2 - 4$

b. $0 - (-7)$

c. $-4 - 3$

d. $-9 - 0$

e. $9 - 7$

f. $5 - (-4)$