

Adding Integers Using Symbols

- Adding integers with the **SAME** signs, **ADD** and **KEEP** the sign.

Ex 1: $(-14) + (-5) = -19$

Ex 2: $23 + 15 = 38$

- Adding integers with **DIFFERENT** signs, **SUBTRACT** and take the sign of the **LARGER** digit.

Ex 3: $(-14) + 5 = -9$

Ex 4: $(-5) + 17 = 12$

$$\begin{array}{r} 14 \\ -5 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 17 \\ -5 \\ \hline 12 \end{array}$$

Practice Questions

1. $4 + 6$

2. $(-2) + 4$

3. $(-3) + (-2)$

2

-5

4. $(-6) + (-5)$

5. $(-6) + 1$

6. $2 + (-6)$

-11

-5

-4

7. $2 + 4$

8. $(-7) + (-7)$

9. $6 + (-4)$

6

-14

2

10. $(-5) + (-2)$

11. $(-5) + (-5)$

12. $(-3) + 1$

-7

-10

-2

13. $1 + (-7)$

-6

14. $1 + 7$

8

15. $(-7) + (-3)$

-10

16. $(-7) + (-8)$

-15

17. $(-7) + (-2)$

-9

18. $(-4) + 8$

4

19. $(-4) + (-5)$

-9

20. $4 + 5$

9

21. $\underline{60 + (-30)} + (-57)$

$= (30) + (-57)$

$= -27$

$\begin{array}{r} 60 \\ -30 \\ \hline 30 \end{array}$

22. $\underline{20 + 38} + (-84)$

$= (58) + (-84)$

$= -26$

$\begin{array}{r} 7 \cancel{8} 4 \\ -58 \\ \hline 26 \end{array}$

23. $\underline{20 + (-96)} + (-90)$

$(-76) + (-90)$

-166

$\begin{array}{r} 57 \\ -30 \\ \hline 27 \end{array}$

$\begin{array}{r} 96 \\ -20 \\ \hline 76 \end{array} \quad \begin{array}{r} 90 \\ +76 \\ \hline 166 \end{array}$

24. $\underline{(-65) + 94} + (-57)$

$= 29 + (-57)$

$= -28$

$\begin{array}{r} 8 \cancel{9} 4 \\ -65 \\ \hline 29 \end{array}$

$\begin{array}{r} 4 \cancel{5} 7 \\ -29 \\ \hline 28 \end{array}$

25. $\underline{41 + (-67)} + (-7)$

$= (-26) + (-7)$

$= -33$

$\begin{array}{r} 67 \\ -41 \\ \hline 26 \end{array}$