

7-COPY

ADDING & SUBTRACTING INTEGERS WORKSHEET

1) ADD

$$\begin{aligned} \text{(a)} \quad & (-6) + (+2) \\ & = -6 + 2 \\ & = -4 \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad & (-5) + (+8) \\ & = -5 + 8 \\ & = 3 \end{aligned}$$

$$\begin{aligned} \text{(c)} \quad & (+3) + (+2) \\ & = 3 + 2 \\ & = 5 \end{aligned}$$

$$\begin{aligned} \text{(d)} \quad & (-6) + (-4) \\ & = -6 - 4 \\ & = -10 \end{aligned}$$

$$\begin{aligned} \text{(e)} \quad & (+7) + (-5) \\ & = 7 - 5 \\ & = 2 \end{aligned}$$

$$\begin{aligned} \text{(f)} \quad & (-3) + (+12) \\ & = -3 + 12 \\ & = 9 \end{aligned}$$

$$\begin{aligned} \text{(g)} \quad & (+9) + (-9) \\ & = 9 - 9 \\ & = 0 \end{aligned}$$

$$\begin{aligned} \text{(h)} \quad & (-6) + (-14) \\ & = -6 - 14 \\ & = -20 \end{aligned}$$

$$\begin{aligned} \text{(i)} \quad & (+60) + (-25) \\ & = 60 - 25 \\ & = 35 \end{aligned}$$

$$\begin{aligned} \text{(j)} \quad & (-45) + (+70) \\ & = -45 + 70 \\ & = 25 \end{aligned}$$

2) FIND THE SUM

$$\begin{aligned} \text{(a)} \quad & (+3) + (-4) + (+8) \\ & = 3 - 4 + 8 \\ & = -1 + 8 \\ & = 7 \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad & (+2) + (-5) + (-6) \\ & = 2 - 5 - 6 \\ & = -3 - 6 \\ & = -9 \end{aligned}$$

$$\begin{aligned} \text{(c)} \quad & (-2) + (-5) + (-9) \\ & = -2 - 5 - 9 \\ & = -7 - 9 \\ & = -16 \end{aligned}$$

$$\begin{aligned} \text{(d)} \quad & (+29) + (-101) + (+71) \\ & = 29 - 101 + 71 \\ & = -72 + 71 \\ & = -1 \end{aligned}$$

$$\begin{aligned} \text{(e)} \quad & (+38) + (+29) + (-57) \\ & = 38 + 29 - 57 \\ & = 67 - 57 \\ & = 10 \end{aligned}$$

$$\begin{aligned} \text{(f)} \quad & 5 + (-3) + 7 \\ & = 5 - 3 + 7 \\ & = 2 + 7 \\ & = 9 \end{aligned}$$

3) SUBTRACT. [SHOW AN INTERMEDIATE (MIDDLE) STEP]

(a) $(+6) - (+8)$

$= 6 - 8$

$= -2$

(b) $(-9) - (+4)$

$= -9 - 4$

$= -13$

(c) $(+10) - (-5)$

$= 10 + 5$

$= 15$

(d) $(-7) - (-3)$

$= -7 + 3$

$= -4$

(e) $(-8) - (+8)$

$= -8 - 8$

$= -16$

(f) $(-6) - (+3)$

$= -6 - 3$

$= -9$

(g) $(+15) - (-9)$

$= 15 + 9$

$= 24$

(h) $0 - (+5)$

$= 0 - 5$

$= -5$

4) SIMPLIFY. [SHOW AN INTERMEDIATE STEP]

(a) $(-7) + (+5) - (-8)$

$= -7 + 5 + 8$

$= -2 + 8$

$= 6$

(b) $(+4) - (+6) + (-2)$

$= 4 - 6 - 2$

$= -2 - 2$

$= -4$

(c) $(+10) - (-9) - (+3)$

$= 10 + 9 - 3$

$= 19 - 3$

$= 16$

(d) $(-6) - (-10) - (-14)$

$= -6 + 10 + 14$

$= 4 + 14$

$= 18$

(e) $(-9) - (+2) + (-3) - (+5)$

$= -9 - 2 - 3 - 5$

$= -11 - 3 - 5$

$= -14 - 5$

$= -19$

(f) $(+8) + (+4) - (+6) - (-3)$

$= 8 + 4 - 6 + 3$

$= 12 - 6 + 3$

$= 6 + 3$

$= 9$

Evaluate each of the following expressions.

$$\begin{aligned} 1. \quad 2 + 4 \\ = 6 \end{aligned}$$

$$\begin{aligned} 2. \quad 2 - 4 \\ = -2 \end{aligned}$$

$$\begin{aligned} 3. \quad -2 - 4 \\ = -6 \end{aligned}$$

$$\begin{aligned} 4. \quad -2 + 4 \\ = 2 \end{aligned}$$

$$\begin{aligned} 5. \quad -4 + 6 \\ = 2 \end{aligned}$$

$$\begin{aligned} 6. \quad 4 - 6 \\ = -2 \end{aligned}$$

$$\begin{aligned} 7. \quad -7 - 3 \\ = -10 \end{aligned}$$

$$\begin{aligned} 8. \quad 7 + 3 \\ = 10 \end{aligned}$$

$$\begin{aligned} 9. \quad 3 + 4 + 1 \\ = 7 + 1 \\ = 8 \end{aligned}$$

$$\begin{aligned} 10. \quad -1 + 4 + 6 \\ = 3 + 6 \\ = 9 \end{aligned}$$

$$\begin{aligned} 11. \quad 5 + 6 - 3 \\ = 11 - 3 \\ = 8 \end{aligned}$$

$$\begin{aligned} 12. \quad -4 - 2 + 5 \\ = -6 + 5 \\ = -1 \end{aligned}$$

$$\begin{aligned} 13. \quad -2 - 3 - 4 \\ = -5 - 4 \\ = -9 \end{aligned}$$

$$\begin{aligned} 14. \quad -12 - 4 \\ = -16 \end{aligned}$$

$$\begin{aligned} 15. \quad 25 - 5 \\ = 20 \end{aligned}$$

$$\begin{aligned} 16. \quad -20 - 4 \\ = -24 \end{aligned}$$

$$\begin{aligned} 17. \quad -36 + 9 \\ = -27 \end{aligned}$$

$$\begin{aligned} 18. \quad -2 - (+4) \\ = -2 - 4 \\ = -6 \end{aligned}$$

$$\begin{aligned} 19. \quad -(2) + (-4) \\ = -2 - 4 \\ = -6 \end{aligned}$$

$$\begin{aligned} 20. \quad 6 - (-5) \\ = 6 + 5 \\ = 11 \end{aligned}$$

$$\begin{aligned} 21. \quad -(-4) - (-7) \\ = 4 + 7 \\ = 11 \end{aligned}$$

$$\begin{aligned} 22. \quad -(-3) - (-9) \\ = 3 + 9 \\ = 12 \end{aligned}$$

$$\begin{aligned} 23. \quad -(-6) - (-1) \\ = 6 + 1 \\ = 7 \end{aligned}$$

$$\begin{aligned} 24. \quad -(-3) + (-4) \\ = 3 - 4 \\ = -1 \end{aligned}$$

$$\begin{aligned} 25. \quad (-3) + (-8) \\ = -3 - 8 \\ = -11 \end{aligned}$$

$$\begin{aligned} 26. \quad -(4) + (-3) \\ = -4 - 3 \\ = -7 \end{aligned}$$

$$\begin{aligned} 27. \quad -(-3) - (-4) \\ = 3 + 4 \\ = 7 \end{aligned}$$

$$\begin{aligned} 28. \quad -(-6) + (-4) \\ = 6 - 4 \\ = 2 \end{aligned}$$

$$\begin{aligned} 29. \quad -(-10) + (-9) \\ = 10 - 9 \\ = 1 \end{aligned}$$

$$\begin{aligned} 30. \quad 6 + 8 + 1 \\ = 14 + 1 \\ = 15 \end{aligned}$$

$$\begin{aligned} 31. \quad 9 - (-4) + (-1) \\ = 9 + 4 - 1 \\ = 12 \end{aligned}$$

$$\begin{aligned} 32. \quad -4 - (-2) - (-5) \\ = -4 + 2 + 5 \\ = 3 \end{aligned}$$

$$\begin{aligned} 33. \quad 8 + (-2) - (-3) \\ = 8 - 2 + 3 \\ = 9 \end{aligned}$$

$$\begin{aligned} 34. \quad -8 + 5 - 7 + 5 \\ = -3 - 7 + 5 \\ = -10 + 5 \\ = -5 \end{aligned}$$

$$\begin{aligned} 35. \quad -5 - 7 - 2 - 1 \\ = -12 - 2 - 1 \\ = -14 - 1 \\ = -15 \end{aligned}$$