

Adding and Subtracting Integers

When adding and subtracting three or more integers, change the sign of any numbers being subtracted. Then follow addition Rule 3 on page 14.

Add and subtract $-9 + 6 - (-3)$

Change the sign of the number being subtracted.

$$\begin{aligned} -9 + 6 - (-3) \\ -9 + 6 + 3 \end{aligned}$$

Add the positive numbers.

$$6 + 3 = 9$$

Add the positive and the negative numbers.

$$-9 + 9 = 0$$

Add and subtract.

$$\begin{aligned} 1. \quad & -5 + 7 - (-1) \\ & -5 + 7 + 1 \\ & -5 + 8 = 3 \end{aligned}$$

$$7 - (+5) + 2$$

$$-10 + (-7) + (-6) - 2$$

$$2. \quad 17 - 32 + (-16)$$

$$-9 + 15 - (-6)$$

$$1 - (-2) + (-3)$$

$$3. \quad -14 - (-16) + 2$$

$$15 - (-9) + (-2)$$

$$-6 + 2 - (-14) + (-6)$$

$$4. \quad 2 + 5 - (-9)$$

$$-13 + (-12) + 1$$

$$-11 + (-2) - (+13)$$

$$5. \quad -16 - (-8) + 2$$

$$16 + (-16) - 12$$

$$14 + (-16) - (+14) - 9$$

$$6. \quad -6 - (+4) - 10$$

$$-18 - (-12) + 4$$

$$-13 - 12 + (-8)$$

$$7. \quad 5 + (+5) + (+10)$$

$$-13 - (-11) - 15$$

$$-20 + (-16) + (-5) + (-3)$$

$$8. \quad -4 - (+2) + (-6)$$

$$7 - (+2) - (-9)$$

$$8 - (+2) - (+4) - (+2)$$

$$9. \quad -12 - (+6) - (-9)$$

$$-15 - (+8) - (-6)$$

$$-6 + 3 - (-10)$$

$$10. \quad 5 - (-5) - (+5)$$

$$32 - (+14) - (+20)$$

$$1 - (-1) + (2)$$

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Answer Key

1. 3	4	-25
2. -31	12	0
3. 4	22	4
4. 16	-24	-26
5. -6	-12	-25
6. -20	-2	-33
7. 20	-17	-44
8. -12	14	0
9. -9	-17	7
10. 5	-2	4

