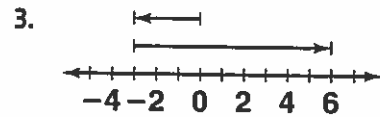
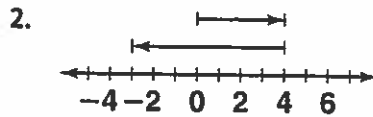
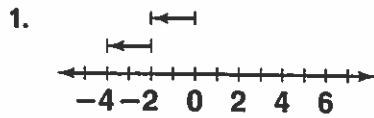


Practice 1-3

Adding and Subtracting Integers

Write the addition expression that is suggested by each model.



Write an algebraic expression to find the sum for each situation.

4. The varsity football team gained 7 yd on one play and then lost 4 yd. _____
5. The airplane descended 140 ft and then rose 112 ft. _____
6. The squirrel climbed 18 in. up a tree, slipped back 4 in., and then climbed up 12 in. more. _____
7. The temperature was 72°F at noon. At midnight a cold front moved in, dropping the temperature 12°F. _____

Simplify each expression.

- | | | |
|-------------------------|-------------------------|-------------------------|
| 8. $8 + (7)$ _____ | 9. $9 + (-4)$ _____ | 10. $-6 + (-8)$ _____ |
| 11. $9 + (-17)$ _____ | 12. $-15 + (-11)$ _____ | 13. $-23 + 18$ _____ |
| 14. $27 + 34$ _____ | 15. $-8 + (-17)$ _____ | 16. $19 + (-8)$ _____ |
| 17. $-14 - 33$ _____ | 18. $-32 - (-18)$ _____ | 19. $-15 - (-26)$ _____ |
| 20. $-19 - (-12)$ _____ | 21. $-16 - (-21)$ _____ | 22. $27 - 19$ _____ |

Evaluate each expression for $x = 5$, $y = -6$, and $z = -7$.

- | | | |
|------------------------|------------------------|-----------------------|
| 23. $x + y$ _____ | 24. $15 - z$ _____ | 25. $y - z$ _____ |
| 26. $y - 15 + x$ _____ | 27. $32 - z + x$ _____ | 28. $ x - y $ _____ |

29. Jill and Joe are playing a game. The chart at the right shows the points gained or lost on each round.

a. Who has the most points after the fifth round?

b. To win, a player must have 20 points. How many points does each player need to win?

Round	Jill	Joe
1	10	12
2	-2	3
3	6	-8
4	4	0
5	-2	7

Puzzle 1-3

Adding and Subtracting Integers

Choose numbers from each set to make each equation true.

3	5	7	-3	-5	-7
---	---	---	----	----	----

- | | |
|------------------------|-------------------------|
| 1. _____ + _____ = -4 | 2. _____ + _____ = 8 |
| 3. _____ + _____ = 2 | 4. _____ + _____ = 4 |
| 5. _____ + _____ = -12 | 6. _____ + _____ = -2 |
| 7. _____ + _____ = 12 | 8. _____ + _____ = 10 |
| 9. _____ + _____ = -8 | 10. _____ + _____ = -10 |

2	3	9	-2	-6	-9
---	---	---	----	----	----

- | | |
|-------------------------|-------------------------|
| 11. _____ + _____ = -11 | 12. _____ + _____ = -7 |
| 13. _____ + _____ = -6 | 14. _____ + _____ = -4 |
| 15. _____ + _____ = 5 | 16. _____ + _____ = -15 |
| 17. _____ + _____ = -8 | 18. _____ + _____ = 7 |
| 19. _____ + _____ = 3 | 20. _____ + _____ = 11 |
| 21. _____ + _____ = 12 | 22. _____ + _____ = -3 |

Make eight different addition equations using the given numbers for the addends. Then find each sum.

3	4	8	-3	-4	-8
---	---	---	----	----	----

- | | |
|---------------------------|---------------------------|
| 23. _____ + _____ = _____ | 24. _____ + _____ = _____ |
| 25. _____ + _____ = _____ | 26. _____ + _____ = _____ |
| 27. _____ + _____ = _____ | 28. _____ + _____ = _____ |
| 29. _____ + _____ = _____ | 30. _____ + _____ = _____ |

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