Name: _____ Date: _____

Fresh Math

Distance on a Number Line - Medium

Find the distance between the two numbers on a number line. Use |a - b|.

1. 0.25 and -1.75
2. -3.5 and 2/3
3. -2.25 and -5
4. -10 and 11
5. -7 and 6
6. -1.3 and -3.1
7. 1.4 and -7.6
8. 6.1 and -3
9. -10/3 and -0.25
10. -1.5 and -3.5

Name: _____ Date: _____

Distance on a Number Line - Medium

Find each distance or change. Show the subtraction.

11. A valley floor is at -211 ft and a hilltop is at 644 ft. What is the difference in elevation?

12. An account went from -26.08 dollars to 36.69 dollars. By how much did the balance change?

13. A valley floor is at -161 ft and a hilltop is at 296 ft. What is the difference in elevation?

14. A valley floor is at -47 ft and a hilltop is at 450 ft. What is the difference in elevation?

15. A valley floor is at -215 ft and a hilltop is at 840 ft. What is the difference in elevation?

16. An account went from -24.73 dollars to 54.34 dollars. By how much did the balance change?

17. A valley floor is at -89 ft and a hilltop is at 818 ft. What is the difference in elevation?

18. The low was -7°F and the high was 21°F. How many degrees apart are they?

19. A valley floor is at -212 ft and a hilltop is at 689 ft. What is the difference in elevation?

20. An account went from -37.17 dollars to 40.09 dollars. By how much did the balance change?

Distance on a Number Line - Medium - Answer Key

1. 0.25 and -1.75
   |0.25 - (-1.75)| = 2

2. -3.5 and 2/3
   |-3.5 - 2/3| = 25/6

3. -2.25 and -5
   |-2.25 - (-5)| = 2.75

4. -10 and 11
   |-10 - 11| = 21

5. -7 and 6
   |-7 - 6| = 13

6. -1.3 and -3.1
   |-1.3 - (-3.1)| = 1.8

7. 1.4 and -7.6
   |1.4 - (-7.6)| = 9

8. 6.1 and -3
   |6.1 - (-3)| = 9.1

9. -10/3 and -0.25
   |-10/3 - (-0.25)| = 37/12

10. -1.5 and -3.5
    |-1.5 - (-3.5)| = 2

Distance on a Number Line – Medium – Answer Key

11. A valley floor is at -211 ft and a hilltop is at 644 ft. What is the difference in elevation?
    644 - (-211) = 855 ft

12. An account went from -26.08 dollars to 36.69 dollars. By how much did the balance change?
    36.69 - (-26.08) = 62.77 dollars

13. A valley floor is at -161 ft and a hilltop is at 296 ft. What is the difference in elevation?
    296 - (-161) = 457 ft

14. A valley floor is at -47 ft and a hilltop is at 450 ft. What is the difference in elevation?
    450 - (-47) = 497 ft

15. A valley floor is at -215 ft and a hilltop is at 840 ft. What is the difference in elevation?
    840 - (-215) = 1055 ft

16. An account went from -24.73 dollars to 54.34 dollars. By how much did the balance change?
    54.34 - (-24.73) = 79.07 dollars

17. A valley floor is at -89 ft and a hilltop is at 818 ft. What is the difference in elevation?
    818 - (-89) = 907 ft

18. The low was -7°F and the high was 21°F. How many degrees apart are they?
    21 - (-7) = 28 degrees

19. A valley floor is at -212 ft and a hilltop is at 689 ft. What is the difference in elevation?
    689 - (-212) = 901 ft

20. An account went from -37.17 dollars to 40.09 dollars. By how much did the balance change?
    40.09 - (-37.17) = 77.26 dollars