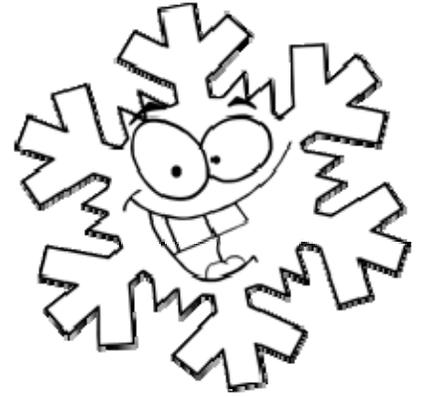


Name \_\_\_\_\_

Date \_\_\_\_\_

### Factoring to Prime Factors



Factor the following numbers to their prime factors.

1. 65

11. 81

2. 117

12. 72

3. 51

13. 33

4. 119

14. 28

5. 58

15. 38

6. 31

16. 26

7. 47

17. 9

8. 45

18. 35

9. 53

19. 15

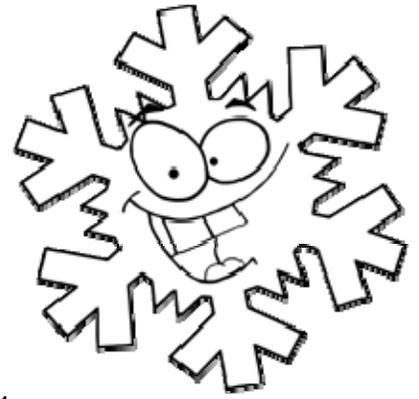
10. 37

20. 85

Name \_\_\_\_\_

Date \_\_\_\_\_

### Factoring to Prime Factors Answer Key



1.  $65 = 5 \times 13$

11.  $81 = 3^4$

2.  $117 = 3^2 \times 13$

12.  $72 = 2^3 \times 3^2$

3.  $51 = 3 \times 17$

13.  $33 = 3 \times 11$

4.  $119 = 7 \times 17$

14.  $28 = 2^2 \times 7$

5.  $58 = 2 \times 29$

15.  $38 = 2 \times 19$

6.  $31 = \text{Prime}$

16.  $26 = 2 \times 13$

7.  $47 = \text{Prime}$

17.  $9 = 3^2$

8.  $45 = 3^2 \times 5$

18.  $35 = 5 \times 7$

9.  $53 = \text{Prime}$

19.  $15 = 3 \times 5$

10.  $37 = \text{Prime}$

20.  $85 = 5 \times 17$