

Name _____

RAINBOW FACTORS

Prime Numbers

Directions: Complete each rainbow by writing the factor pairs for each number in the circles.

The worksheet features nine rainbows arranged in three rows. Each rainbow has a cloud at the top containing a number. The rainbows are connected by lines to colored circles at the bottom, which represent factor pairs. The numbers and their factor pairs are as follows:

- Top Row:**
 - Rainbow 1: Cloud 30. Factor pairs: (1, 30), (3, 10), (5, 6), (15, 2).
 - Rainbow 2: Cloud 20. Factor pairs: (1, 20), (4, 5), (10, 2).
 - Rainbow 3: Cloud 10. Factor pairs: (1, 10), (5, 2).
- Middle Row:**
 - Rainbow 4: Cloud 18. Factor pairs: (1, 18), (3, 6), (9, 2).
 - Rainbow 5: Cloud 8. Factor pairs: (2, 4), (8, 1).
 - Rainbow 6: Cloud 36. Factor pairs: (2, 18), (4, 9), (6, 6), (12, 3), (18, 2).
- Bottom Row:**
 - Rainbow 7: Cloud 15. Factor pairs: (3, 5), (15, 1).
 - Rainbow 8: Cloud 12. Factor pairs: (1, 12), (3, 4), (6, 2).
 - Rainbow 9: Cloud 24. Factor pairs: (3, 8), (6, 4), (12, 2).