Equivalencies in Other Bases Quiz

Convert the given numbers to base ten numbers and complete the riddles.

1. 1102200_{four} = 5280 Feet in a Mile

2. 110_{two} = 6 Wives of Henry the Eighth

3. 3_{five} = 3 Points for a Field Goal in Football

4. 110_{seven} = 56 Signers of the Declaration of Independence

5. 663_{eight} = 435 Members of the House of Representatives

6. 220_{five} = 60 Seconds in a Minute

7. 1101_{two} = 13 Cards in a Suit

8. 20_{four} = 8 Parts of Speech in the English Language

9. 30382_{nine} = 20,000 Leagues Under the Sea

10. 111_{five} = 31 Ice Cream Flavors at Baskin Robbins

11. 42_{seven} = 30 Days Hath Sept. April June and November

12. 10_{nine} = 9 Innings in a Baseball Game

13. 2_{eleven} = 2 Turtle Doves (and a Partridge in a Pear Tree)

14. 122_{six} = 50 Cents in a Half Dollar

15. 1111_{three} = 40 Thieves (with Ali Baba)

16. 422_{seven} = 212 Degrees at which Water Boils

17. 101_{two} = 5 Fingers on a Hand

18. 121_{three} = 16 Ounces in a Pound

19. 32_{six} = 20 Years that Rip Van Winkle Slept

20. 2420_{eight} = 1296 Square Inches in Square Yard