

p.28 and 29

Determine the prime factorization of each number for the Problem Set #10 - #23 on ANOTHER PIECE OF PAPER.

11. 25

18. 99

12. 54

19. 108

13. 61

20. 198

14. 65

21. 780

15. 76

22. 1,176

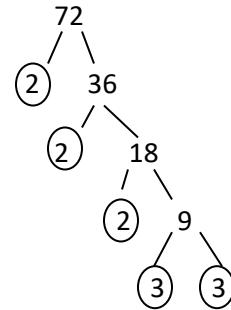
16. 84

23. 4,725

17. 92

24. **Describe and correct** the error in writing the prime factorization.

$$\begin{aligned} 72 &= 2 \cdot 2 \cdot 2 \cdot 9 \\ &= 2^3 \cdot 9 \end{aligned}$$



Find the number represented by the prime factorization. Use the order of operations to solve.

26. $2^2 \cdot 3^2 \cdot 5$

27. $3^2 \cdot 5^2 \cdot 7$

28. $2^3 \cdot 11^2 \cdot 13$

33. Is 2 the only even prime number? Justify your opinion.

34. A coach of a baseball team has more than 2 players on a baseball team. The players are separated into groups for drills. Each group has the same number of players. Is the total number of players on the baseball team prime or composite? Explain your reasoning.

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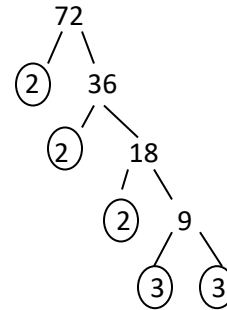
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