

1.4 Practice A

Use divisibility rules to determine whether the number is divisible by 2, 3, 5, 6, 9, and 10. Use calculator to check your answers.

1. 1200 2. 1515 3. 1071

4. A baseball camp is held at a complex that has 6 baseball diamonds. The coaches would like each diamond to have the same number of campers. Use divisibility rules to determine whether this is possible if 152 kids show up for the camp.

List the factor pairs of the number.

5. 14 6. 26 7. 51
8. 18 9. 36 10. 47

Write the prime factorization of the number.

11. 9 12. 49 13. 28
14. 50 15. 66 16. 38

Find the number represented by the prime factorization.

17. $2^2 \cdot 5^2 \cdot 7$ 18. $2^2 \cdot 3^2 \cdot 11$

Write the prime factorization of the number.

19. 144 20. 243 21. 475