Harder HCF and LCM Problems

(a) The HCF of a and 40 is 10. The LCM of a and 20 is 280. Find the value of a.

(b) The HCF of b and 24 is 12. The LCM of b and 24 is 120. Find the value of b.

(c) The HCF of c and 54 is 18. The LCM of c and 54 is 378. Find the value of c.

(d) The HCF of d and 44 is 22. The LCM of d and 44 is 660. Find the value of d.

(a) The HCF of two numbers is 8. The LCM of the same two numbers is 440. Find a possible pair of numbers.

(b) The HCF of two numbers is 21. The LCM of the same two numbers is 252. Find two possible pairs of numbers.

(c) The HCF of two numbers is 15. The LCM of the same two numbers is 1650. Find three possible pairs of numbers.

(a) The HCF of two numbers is 6. The LCM of the same two numbers is a multiple of 21. Find a possible pair of numbers.

(b) The HCF of two numbers is 10. The LCM of the same two numbers is a multiple of 35. Find two possible pairs of numbers.

(a) The HCF of 12, 42 and x is 3. The LCM of 12, 42 and x is 420. Find the value of x.

(b) The HCF of 50, x and y is 5. The LCM of 50, x and y is 1050. Find three possible pairs of values for x and y.

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