

## **HCF and LCM**

1. Find the HCF of 70 and 84.
2. Find the HCF of 1365, 1560 and 1755.
3. Find the HCF of 12.5, 0.45 and 15.
4. Find the HCF of  $\frac{36}{9}$ ,  $\frac{60}{17}$  and  $\frac{36}{51}$ .
5. What is the greatest number that will divide 40, 50 and 59 and leave as remainder 4, 8 and 11 respectively?
6. Find the greatest number which will divide 412, 753 and 1032 so as to leave remainder 9 in each case.
7. Find the greatest number which when divided by 25, 73 and 97 would leave the same remainder.

(Hint: Find the difference of numbers taken two by two and then find HCF of the difference)

8. The product of two numbers is 2160 and their HCF is 12. How many such pairs of numbers can be possible? What are the pairs?
9. The HCF of two numbers is 11 and their LCM is 7700. If one of these numbers is 275, find the other number.
10. Find the LCM of  $\frac{2}{5}$ ,  $\frac{3}{10}$  and  $\frac{4}{15}$ .

## **ANSWERS**

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|--------|--------------------|--------|---------------------------|
| 1) 14  | 2) 195             | 3) .05 | 4) $\frac{4}{17}$         |
| 5) 6   | 6) 31              | 7) 24  | 8) 2, (60, 36), (180, 12) |
| 9) 308 | 10) $\frac{12}{5}$ |        |                           |