

## PFF, HCF & LCM

Find the PFF of:

- |       |       |        |        |
|-------|-------|--------|--------|
| 1. 30 | 5. 48 | 9. 64  | 13. 36 |
| 2. 42 | 6. 72 | 10. 96 | 14. 45 |
| 3. 18 | 7. 56 | 11. 17 | 15. 60 |
| 4. 24 | 8. 70 | 12. 32 | 16. 75 |

Find the HCF of:

- |            |            |
|------------|------------|
| 1. 30 & 42 | a) 24 & 32 |
| 2. 18 & 24 | b) 36 & 45 |
| 3. 48 & 72 | c) 60 & 75 |
| 4. 56 & 70 |            |
| 5. 64 & 96 |            |

Find the LCM of:

- |            |                                  |
|------------|----------------------------------|
| 1. 6 & 8   | a) 8 & 12                        |
| 2. 8 & 14  | b) 5 & 32                        |
| 3. 12 & 30 | c) 15 & 18                       |
| 4. 15 & 21 | d) 4 & 6 & 8                     |
|            | e) 5 & 8 & 10                    |
|            | f) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 |

Find the HCF & LCM of:

- |             |              |
|-------------|--------------|
| 1. 16 & 20  |              |
| 2. 24 & 30  | a) 180 & 150 |
| 3. 84 & 63  | b) 84 & 100  |
| 4. 42 & 56  | c) 22 & 13   |
| 5. 90 & 108 |              |

## PFF, HCF & LCM - Answers

Find the PFF of:

- |  |   |   |  |
|--|---|---|--|
| 1. $2 \times 3 \times 5$                         | 5. $2 \times 2 \times 2 \times 2 \times 3 = 2^4 \times 3$   | 9. $2 \times 2 \times 2 \times 2 \times 2 \times 2 = 2^6$           | 13. $2 \times 2 \times 3 \times 3 = 2^2 \times 3^2$        |
| 2. $2 \times 3 \times 7$                         | 6. $2 \times 2 \times 2 \times 3 \times 3 = 2^3 \times 3^2$ | 10. $2 \times 2 \times 2 \times 2 \times 2 \times 3 = 2^5 \times 3$ | 14. $3 \times 3 \times 5 = 3^2 \times 5$                   |
| 3. $2 \times 3 \times 3 = 2 \times 3^2$          | 7. $2 \times 2 \times 2 \times 7 = 2^3 \times 7$            | 11. 17  | 15. $2 \times 2 \times 3 \times 5 = 2^2 \times 3 \times 5$ |
| 4. $2 \times 2 \times 2 \times 3 = 2^3 \times 3$ | 8. $2 \times 5 \times 7$                                    | 12. $2 \times 2 \times 2 \times 2 \times 2 = 2^5$                   | 16. $3 \times 5 \times 5 = 3 \times 5^2$                   |

Find the HCF of:

- |            |    |            |    |
|------------|----|------------|----|
| 1. 30 & 42 | 6  | 5. 64 & 96 | 32 |
| 2. 18 & 24 | 6  | a) 24 & 32 | 8  |
| 3. 48 & 72 | 24 | b) 36 & 45 | 9  |
| 4. 56 & 70 | 14 | c) 60 & 75 | 15 |

Find the LCM of:

- |            |     |                                  |      |
|------------|-----|----------------------------------|------|
| 1. 6 & 8   | 24  | a) 8 & 12                        | 24   |
| 2. 8 & 14  | 56  | b) 5 & 32                        | 160  |
| 3. 12 & 30 | 60  | c) 15 & 18                       | 90   |
| 4. 15 & 21 | 105 | d) 4 & 6 & 8                     | 24   |
|            |     | e) 5 & 8 & 10                    | 40   |
|            |     | f) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 | 2520 |

Find the HCF & LCM of:

- |             |         |              |         |
|-------------|---------|--------------|---------|
| 1. 16 & 20  | 4, 80   | a) 180 & 150 | 30, 900 |
| 2. 24 & 30  | 6, 120  | b) 84 & 100  | 4, 2100 |
| 3. 84 & 63  | 21, 252 | c) 22 & 13   | 1, 28   |
| 4. 42 & 56  | 14, 168 |              |         |
| 5. 90 & 108 | 9, 1620 |              |         |