

## HCF: the ladder method

Exit ticket **ANSWERS** Name \_\_\_\_\_

- 1 Find the HCF of 12 and 28.

- 1 Divide both by 2, 3 or 5.  
2 Keep going until none of them is a factor of both.

|   |    |    |
|---|----|----|
| 2 | 12 | 28 |
| 2 | 6  | 14 |
|   | 3  | 7  |

- 3 Multiply down the side. HCF = 2 × 2 = 4

- 2 Find the HCF of 18 and 42.

- 1 Divide both by 2, 3 or 5.  
2 Keep going until none of them is a factor of both.

|   |    |    |
|---|----|----|
| 2 | 18 | 42 |
| 3 | 9  | 21 |
|   | 3  | 7  |

- 3 Multiply down the side. HCF = 2 × 3 = 6

- 3 Find the HCF of 30 and 40.

10

The Maths Habit

## HCF: the ladder method

Exit ticket **ANSWERS** Name \_\_\_\_\_

- 1 Find the HCF of 12 and 28.

- 1 Divide both by 2, 3 or 5.  
2 Keep going until none of them is a factor of both.

|   |    |    |
|---|----|----|
| 2 | 12 | 28 |
| 2 | 6  | 14 |
|   | 3  | 7  |

- 3 Multiply down the side. HCF = 2 × 2 = 4

- 2 Find the HCF of 18 and 42.

- 1 Divide both by 2, 3 or 5.  
2 Keep going until none of them is a factor of both.

|   |    |    |
|---|----|----|
| 2 | 18 | 42 |
| 3 | 9  | 21 |
|   | 3  | 7  |

- 3 Multiply down the side. HCF = 2 × 3 = 6

- 3 Find the HCF of 30 and 40.

10

The Maths Habit

## HCF: the ladder method

Exit ticket **ANSWERS** Name \_\_\_\_\_

- 1 Find the HCF of 12 and 28.

- 1 Divide both by 2, 3 or 5.  
2 Keep going until none of them is a factor of both.

|   |    |    |
|---|----|----|
| 2 | 12 | 28 |
| 2 | 6  | 14 |
|   | 3  | 7  |

- 3 Multiply down the side. HCF = 2 × 2 = 4

- 2 Find the HCF of 18 and 42.

- 1 Divide both by 2, 3 or 5.  
2 Keep going until none of them is a factor of both.

|   |    |    |
|---|----|----|
| 2 | 18 | 42 |
| 3 | 9  | 21 |
|   | 3  | 7  |

- 3 Multiply down the side. HCF = 2 × 3 = 6

- 3 Find the HCF of 30 and 40.

10

The Maths Habit

## HCF: the ladder method

Exit ticket **ANSWERS** Name \_\_\_\_\_

- 1 Find the HCF of 12 and 28.

- 1 Divide both by 2, 3 or 5.  
2 Keep going until none of them is a factor of both.

|   |    |    |
|---|----|----|
| 2 | 12 | 28 |
| 2 | 6  | 14 |
|   | 3  | 7  |

- 3 Multiply down the side. HCF = 2 × 2 = 4

- 2 Find the HCF of 18 and 42.

- 1 Divide both by 2, 3 or 5.  
2 Keep going until none of them is a factor of both.

|   |    |    |
|---|----|----|
| 2 | 18 | 42 |
| 3 | 9  | 21 |
|   | 3  | 7  |

- 3 Multiply down the side. HCF = 2 × 3 = 6

- 3 Find the HCF of 30 and 40.

10

The Maths Habit

## HCF: the ladder method

Exit ticket **ANSWERS** Name \_\_\_\_\_

- 1 Find the HCF of 12 and 28.

- 1 Divide both by 2, 3 or 5.  
2 Keep going until none of them is a factor of both.

|   |    |    |
|---|----|----|
| 2 | 12 | 28 |
| 2 | 6  | 14 |
|   | 3  | 7  |

- 3 Multiply down the side. HCF = 2 × 2 = 4

- 2 Find the HCF of 18 and 42.

- 1 Divide both by 2, 3 or 5.  
2 Keep going until none of them is a factor of both.

|   |    |    |
|---|----|----|
| 2 | 18 | 42 |
| 3 | 9  | 21 |
|   | 3  | 7  |

- 3 Multiply down the side. HCF = 2 × 3 = 6

- 3 Find the HCF of 30 and 40.

10

The Maths Habit

## HCF: the ladder method

Exit ticket **ANSWERS** Name \_\_\_\_\_

- 1 Find the HCF of 12 and 28.

- 1 Divide both by 2, 3 or 5.  
2 Keep going until none of them is a factor of both.

|   |    |    |
|---|----|----|
| 2 | 12 | 28 |
| 2 | 6  | 14 |
|   | 3  | 7  |

- 3 Multiply down the side. HCF = 2 × 2 = 4

- 2 Find the HCF of 18 and 42.

- 1 Divide both by 2, 3 or 5.  
2 Keep going until none of them is a factor of both.

|   |    |    |
|---|----|----|
| 2 | 18 | 42 |
| 3 | 9  | 21 |
|   | 3  | 7  |

- 3 Multiply down the side. HCF = 2 × 3 = 6

- 3 Find the HCF of 30 and 40.

10

The Maths Habit