

Multiples & Factors – 3

1. What is the HCF of 128, 256 and 512?

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| a) 64 | b) 128 |
| c) 256 | d) 512 |

2. What are the prime factors of 82430?

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| a) $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 7 \times 23$ | b) $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 5 \times 23$ |
| c) $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 7 \times 23$ | d) None of these |

3. Find the HCF of 6032 and 8064. Use long division method.

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| a) 64 | b) 32 |
| c) 16 | d) None of these |

4. Find HCF of 7250, 7525 and 9275.

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| a) 5 | b) 25 |
| c) 125 | d) 625 |

5. Find the HCF of 23625, 28000 and 21875.

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| a) 125 | b) 625 |
| c) 675 | d) 875 |

6. $845 \underline{\hspace{1cm}} 6 \div 4$

Fill in the blanks to make the number exactly divisible by 4.

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|------|---------------|
| a) 2 | b) 3 |
| c) 1 | d) Both B & C |

7. $4576 \underline{\hspace{1cm}} \div 6$

Fill in the blanks to make the number exactly divisible by 6.

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| a) 8 | b) 4 |
| c) 6 | d) 0 |

8. Find the LCM of 75, 250, 625.

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| a) 2750 | b) 3750 |
| c) 7350 | d) 3570 |

9. Find the LCM of 846, 976, 448 and 124.

a) 358352064

b) 385352064

c) 538352064

d) 358532064

10. Find the LCM of 150, 300, 600 and 900.

a) 300

b) 600

c) 900

d) 1800