HCFs and LCMs with Prime Factors 1

|  |  |  |
| --- | --- | --- |
|  | HCF | LCM |
| $$2^{3}×3^{5}×5^{3}$$ |  |  |
| $$2^{5}×3^{4}×5^{6}$$ |
| $$2^{2}×5×7^{4}$$ |  |  |
| $$3^{3}×5^{4}×7^{2}$$ |
| $$3^{6}×5^{2}×11$$ |  |  |
| $$2^{3}×5^{3}×7^{3}$$ |
| $$2^{2}×5^{5}×7^{7}$$ |  |  |
| $$2^{5}×7^{3}×11^{3}$$ |
| $$3^{2}×11×13^{2}$$ |  |  |
| $$2^{3}×7^{3}×17^{2}$$ |
| $$2^{5}×3^{3}×5^{6}×11^{3}$$ |  |  |
| $$2^{2}×3×7^{4}×11^{2}$$ |
| $$3^{2}×5^{3}×7^{8}$$ |  |  |
| $$2^{5}×5^{7}×7^{3}×11^{4}$$ |
| $$a^{3}b^{8}c^{4}d^{3}$$ |  |  |
| $$a^{2}bd^{9}e^{5}$$ |

HCFs and LCMs with Prime Factors 2

|  |  |  |
| --- | --- | --- |
|  | HCF | LCM |
| $$3^{27}×5^{8}×7^{21}$$ |  |  |
| $$3^{11}×7^{23}×11^{14}$$ |
| $$3^{24}×5×7^{40}$$ |  |  |
| $$2^{31}×5^{14}×11^{12}$$ |
| $$a^{10}b^{8}c$$ |  |  |
| $$b^{3}c^{3}d^{3}$$ |
| $$b^{13}c^{61}d^{35}$$ |  |  |
| $$ab^{12}c^{31}e^{6}$$ |
| $$2^{\cdots }×5×7^{\cdots }$$ |  | $$2^{18}×5^{35}×7^{21}$$ |
| $$2^{3}×5^{35}×7^{2}$$ |
| $$a^{\cdots }c^{\cdots }d^{\cdots }$$ | $$a^{18}d^{\cdots }$$ | $$a^{\cdots }b^{43}c^{41}d^{27}$$ |
| $$a^{32}b^{\cdots }d^{17}$$ |
| $$3^{\cdots }×5^{30}×7^{18}$$ | $$5^{\cdots }×7^{\cdots }$$ | $$2^{25}×3^{21}×5^{71}×7^{53}×11^{64}$$ |
| $$2^{\cdots }×5^{\cdots }×7^{\cdots }×11^{\cdots }$$ |
| $$a^{\cdots }b^{9}c^{\cdots }d^{2}$$ | $$a^{5}cd^{2}$$ | $$a^{8}b^{\cdots }c^{4}d^{\cdots }e^{7}$$ |
| $$a^{8}cd^{3}e^{\cdots }$$ |

HCFs and LCMs with Prime Factors 1 (Answers)

|  |  |  |
| --- | --- | --- |
|  | HCF | LCM |
| $$2^{3}×3^{5}×5^{3}$$ | $$2^{3}×3^{4}×5^{3}$$ | $$2^{5}×3^{5}×5^{6}$$ |
| $$2^{5}×3^{4}×5^{6}$$ |
| $$2^{2}×5×7^{4}$$ | $$5×7^{2}$$ | $$2^{2}×3^{3}×5^{4}×7^{4}$$ |
| $$3^{3}×5^{4}×7^{2}$$ |
| $$3^{6}×5^{2}×11$$ | $$5^{2}$$ | $$2^{3}×3^{6}×5^{3}×7^{3}×11$$ |
| $$2^{3}×5^{3}×7^{3}$$ |
| $$2^{2}×5^{5}×7^{7}$$ | $$2^{2}×7^{3}$$ | $$2^{5}×5^{5}×7^{7}×11^{3}$$ |
| $$2^{5}×7^{3}×11^{3}$$ |
| $$3^{2}×11×13^{2}$$ | $$1$$ | $$2^{3}×3^{2}×7^{3}×11×13^{2}×17^{2}$$ |
| $$2^{3}×7^{3}×17^{2}$$ |
| $$2^{5}×3^{3}×5^{6}×11^{3}$$ | $$2^{2}×3×11^{2}$$ | $$2^{5}×3^{3}×5^{6}×7^{4}×11^{3}$$ |
| $$2^{2}×3×7^{4}×11^{2}$$ |
| $$3^{2}×5^{3}×7^{8}$$ | $$5^{3}×7^{3}$$ | $$2^{5}×3^{2}×5^{7}×7^{8}×11^{4}$$ |
| $$2^{5}×5^{7}×7^{3}×11^{4}$$ |
| $$a^{3}b^{8}c^{4}d^{3}$$ | $$a^{2}bd^{3}$$ | $$a^{3}b^{8}c^{4}d^{9}e^{5}$$ |
| $$a^{2}bd^{9}e^{5}$$ |

HCFs and LCMs with Prime Factors 2 (Answers)

|  |  |  |
| --- | --- | --- |
|  | HCF | LCM |
| $$3^{27}×5^{8}×7^{21}$$ | $$3^{11}×7^{21}$$ | $$3^{27}×5^{8}×7^{23}×11^{14}$$ |
| $$3^{11}×7^{23}×11^{14}$$ |
| $$3^{24}×5×7^{40}$$ | $$5$$ | $$2^{31}×3^{24}×5^{14}×7^{40}×11^{12}$$ |
| $$2^{31}×5^{14}×11^{12}$$ |
| $$a^{10}b^{8}c$$ | $$b^{3}c$$ | $$a^{10}b^{8}c^{3}d^{3}$$ |
| $$b^{3}c^{3}d^{3}$$ |
| $$b^{13}c^{61}d^{35}$$ | $$b^{12}c^{31}$$ | $$ab^{13}c^{61}d^{35}e^{6}$$ |
| $$ab^{12}c^{31}e^{6}$$ |
| $$2^{18}×5×7^{21}$$ | $$2^{3}×5×7^{2}$$ | $$2^{18}×5^{35}×7^{21}$$ |
| $$2^{3}×5^{35}×7^{2}$$ |
| $$a^{18}c^{41}d^{27}$$ | $$a^{18}d^{17}$$ | $$a^{32}b^{43}c^{41}d^{27}$$ |
| $$a^{32}b^{43}d^{17}$$ |
| $$3^{21}×5^{30}×7^{18}$$ | $$5^{30}×7^{18}$$ | $$2^{25}×3^{21}×5^{71}×7^{53}×11^{64}$$ |
| $$2^{25}×5^{71}×7^{53}×11^{64}$$ |
| $$a^{5}b^{9}c^{4}d^{2}$$ | $$a^{5}cd^{2}$$ | $$a^{8}b^{9}c^{4}d^{3}e^{7}$$ |
| $$a^{8}cd^{3}e^{7}$$ |