DarTutors · LCM from Prime Factorisation

Name: Date:

1. 52 = 2 x 2 x 13 55 = 5 x 11 Use these prime factorisations to find the LCM of 52 and 55.

2. 76 = 2 x 2 x 19 63 = 3 x 3 x 7 Use these prime factorisations to find the LCM of 76 and 63.

3. 24 = 2 x 2 x 2 x 3 28 = 2 x 2 x 7 Use these prime factorisations to find the LCM of 24 and 28.

4. 87 = 3 x 29 84 = 2 x 2 x 3 x 7 Use these prime factorisations to find the LCM of 87 and 84.

5. 18 = 2 x 3 x 3 15 = 3 x 5 Use these prime factorisations to find the LCM of 18 and 15.

6. 57 = 3 x 19 26 = 2 x 13 Use these prime factorisations to find the LCM of 57 and 26.

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7. 48 = 2 x 2 x 2 x 2 x 3 94 = 2 x 47 Use these prime factorisations to find the LCM of 48 and 94.

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8. 92 = 2 x 2 x 23 80 = 2 x 2 x 2 x 2 x 5 Use these prime factorisations to find the LCM of 92 and 80.

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9. 100 = 2 x 2 x 5 x 5 81 = 3 x 3 x 3 x 3 Use these prime factorisations to find the LCM of 100 and 81.

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10. 84 = 2 x 2 x 3 x 7 44 = 2 x 2 x 11 Use these prime factorisations to find the LCM of 84 and 44.

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11. 96 = 2 x 2 x 2 x 2 x 2 x 3 95 = 5 x 19 Use these prime factorisations to find the LCM of 96 and 95.

12. 8 = 2 x 2 x 2 86 = 2 x 43 Use these prime factorisations to find the LCM of 8 and 86.

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ANSWER KEY

1. 2860

2. 4788

3. 168

4. 2436

5. 90

6. 1482

7. 2256

8. 1840

9. 8100

10. 924

11. 9120

12. 344

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