Math worksheet on *'Prime Factorization - Factor to 4 Factors (Level 1)'*. Part of a broader unit on *'Factoring and Greatest Common Factor - Advanced'*

Learn online:

app.mobius.academy/math/units/factoring_and_greatest_common_factor_advanced/

**1** Show the prime factorization of this number

24

| | |
|---|---|
| **a** | {2, 2, 2, 3} |
| **b** | {2, 2, 2, 3, 3} |
| **c** | {2, 2, 2, 3, 11} |
| **d** | {2, 2, 2, 2, 3} |
| **e** | {2, 4, 3} |
| **f** | {2, 2, 3} |

**2** Show the prime factorization of this number

90

| | |
|---|---|
| **a** | {2, 3, 5} |
| **b** | {2, 9, 5} |
| **c** | {2, 3, 3, 5} |
| **d** | {2, 3, 3} |
| **e** | {2, 3, 15} |
| **f** | {2, 3, 3, 5, 5} |

**3** Show the prime factorization of this number

40

| | |
|---|---|
| **a** | {2, 2, 10} |
| **b** | {2, 2, 2, 2, 5} |
| **c** | {2, 2, 5} |
| **d** | {2, 4, 5} |
| **e** | {2, 2, 2, 5} |
| **f** | {2, 2, 2, 5, 7} |

**4** Show the prime factorization of this number

16

| | |
|---|---|
| **a** | {2, 2, 2, 2, 13} |
| **b** | {2, 2, 2, 2} |
| **c** | {2, 2, 4} |
| **d** | {2, 2, 2} |
| **e** | {2, 2, 2, 2, 2} |
| **f** | {2, 2, 2, 2, 11} |

**5** Show the prime factorization of this number

81

| | |
|---|---|
| **a** | {2, 3, 3, 3, 3} |
| **b** | {3, 9, 3} |
| **c** | {3, 3, 3} |
| **d** | {3, 3, 3, 3, 5} |
| **e** | {3, 3, 3, 3} |
| **f** | {3, 3, 9} |

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