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Math worksheet on *'Prime Factorization - Factor to 4 Factors (Level 3)'*. Part of a broader unit on *'Factoring and Primes - Advanced'*

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1 Show the prime factorization of this number

54

a	{2, 9, 3}
b	{2, 3, 3, 3}
c	{2, 3, 3}
d	{2, 3, 3, 3, 13}
e	{2, 3, 3, 3, 3}
f	{2, 3, 9}

2 Show the prime factorization of this number

60

a	{2, 2, 2, 3, 5}
b	{2, 2, 3}
c	{2, 2, 3, 5, 5}
d	{2, 2, 3, 5, 7}
e	{2, 3, 5}
f	{2, 2, 3, 5}

3 Show the prime factorization of this number

104

a	{2, 2, 13}
b	{2, 2, 2, 13}
c	{2, 2, 26}
d	{2, 2, 2, 11, 13}
e	{2, 2, 2, 2, 13}
f	{2, 4, 13}

4 Show the prime factorization of this number

88

a	{2, 2, 2, 11}
b	{2, 2, 22}
c	{2, 4, 11}
d	{2, 2, 11}
e	{2, 2, 2, 2, 11}
f	{2, 2, 2, 5, 11}

5 Show the prime factorization of this number

16

a	{2, 2, 2, 2, 2}
b	{2, 2, 2, 2, 3}
c	{2, 4, 2}
d	{2, 2, 4}
e	{2, 2, 2, 2}
f	{2, 2, 2}

6 Show the prime factorization of this number

126

a	{2, 3, 3, 7}
b	{2, 3, 3, 7, 7}
c	{2, 9, 7}
d	{2, 3, 7}
e	{2, 3, 3, 5, 7}
f	{2, 3, 3, 7, 11}

7 Show the prime factorization of this number

100

a	{2, 2, 5, 5}
b	{2, 2, 5}
c	{2, 2, 5, 5, 11}
d	{2, 2, 2, 5, 5}
e	{2, 2, 3, 5, 5}
f	{2, 10, 5}