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Math worksheet on *'Prime Factorization as Exponents - 5 Factors (Level 3)'*. Part of a broader unit on *'Factoring and Primes - Intro'*

Learn online: app.mobius.academy/math/units/factoring_and_primes_intro/

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1 Show the prime factorization of this number as exponents

120

a	b
$2^4 \cdot 3 \cdot 5$	$2^3 \cdot 3 \cdot 5$
c	d
$2^3 \cdot 3 \cdot 5 \cdot 7$	$2^3 \cdot 3 \cdot 5 \cdot 11$
e	
$2^3 \cdot 15$	

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2 Show the prime factorization of this number as exponents

32

a	b	c
$2^5 \cdot 11$	2^4	2^5
d	e	
$2^3 \cdot 4$	2^6	

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3 Show the prime factorization of this number as exponents

108

a	b
$2^2 \cdot 3^3 \cdot 13$	$2^2 \cdot 3^3$
c	d
$2^2 \cdot 3^3 \cdot 5$	$2 \cdot 3^3$

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4 Show the prime factorization of this number as exponents

112

a	b
$2^4 \cdot 7 \cdot 11$	$2^3 \cdot 14$
c	d
$2^4 \cdot 7$	$2^2 \cdot 4 \cdot 7$