

Name: Class:

Understanding negative exponents

In each case, solve and tick the correct answer.

$12^{-4} = ?$	<input type="checkbox"/> $\frac{1}{12^4}$ <input type="checkbox"/> -12^4	$\frac{1}{19^5} = ?$	<input type="checkbox"/> 19^5 <input type="checkbox"/> 19^{-5}	$1,500^{-10} = ?$	<input type="checkbox"/> $\frac{1}{1,500^{10}}$ <input type="checkbox"/> $\frac{1,500^{10}}{1}$
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$\frac{1}{33^{-7}} = ?$	<input type="checkbox"/> 33^7 <input type="checkbox"/> 7^{33}	$2,500^{-5} = ?$	<input type="checkbox"/> $\frac{1}{2,500^{-5}}$ <input type="checkbox"/> $\frac{1}{2,500^5}$	$\frac{1}{21^8} = ?$	<input type="checkbox"/> 21^{-8} <input type="checkbox"/> 21^8
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$\frac{1}{9^{-9}} = ?$	<input type="checkbox"/> 9^9 <input type="checkbox"/> -9^{-9}	$15^{-7} = ?$	<input type="checkbox"/> $\frac{1}{15^7}$ <input type="checkbox"/> $\frac{15^7}{1}$	$\frac{1}{208^{-8}} = ?$	<input type="checkbox"/> 208^8 <input type="checkbox"/> 208^{-8}
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$\frac{1}{17^{-3}} = ?$	<input type="checkbox"/> 3^{17} <input type="checkbox"/> 17^3	$25^{-5} = ?$	<input type="checkbox"/> $\frac{1}{250^{-5}}$ <input type="checkbox"/> $\frac{1}{25^5}$	$5^{-1} = ?$	<input type="checkbox"/> $\frac{1}{5^{-5}}$ <input type="checkbox"/> $\frac{1}{5^1}$
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$950^{-5} = ?$	<input type="checkbox"/> $\frac{1}{950^5}$ <input type="checkbox"/> $\frac{5}{950^5}$	$700^{-10} = ?$	<input type="checkbox"/> $\frac{1}{700^{10}}$ <input type="checkbox"/> $\frac{1}{700^{-10}}$	$\frac{1}{3^{-9}} = ?$	<input type="checkbox"/> 3^{-9} <input type="checkbox"/> 3^9
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$\frac{1}{(10,000)^{-4}} = ?$	<input type="checkbox"/> $10,000^4$ <input type="checkbox"/> $1,000^4$	$69^{-6} = ?$	<input type="checkbox"/> $\frac{1}{69^6}$ <input type="checkbox"/> $\frac{1}{69^{-6}}$	$\frac{1}{25^{-25}} = ?$	<input type="checkbox"/> 25^{-25} <input type="checkbox"/> 25^{25}
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Understanding negative exponents

► In each case, solve and tick the correct answer.

$12^{-4} = ?$	<input checked="" type="checkbox"/> $\frac{1}{12^4}$	$\frac{1}{15^5} = ?$	<input type="checkbox"/> 19^5	$1,500^{-10} = ?$	<input checked="" type="checkbox"/> $\frac{1}{1,500^{10}}$
	<input type="checkbox"/> -12^4		<input checked="" type="checkbox"/> 19^{-5}		<input type="checkbox"/> $\frac{1,500^{10}}{1}$

$\frac{1}{33^{-7}} = ?$	<input checked="" type="checkbox"/> 33^7	$2,500^{-5} = ?$	<input type="checkbox"/> $\frac{1}{2,500^{-5}}$	$\frac{1}{21^8} = ?$	<input checked="" type="checkbox"/> 21^{-8}
	<input type="checkbox"/> 7^{33}		<input checked="" type="checkbox"/> $\frac{1}{2,500^5}$		<input type="checkbox"/> 21^8

$\frac{1}{9^{-9}} = ?$	<input checked="" type="checkbox"/> 9^9	$15^{-7} = ?$	<input checked="" type="checkbox"/> $\frac{1}{15^7}$	$\frac{1}{208^{-8}} = ?$	<input checked="" type="checkbox"/> 208^8
	<input type="checkbox"/> -9^{-9}		<input type="checkbox"/> $\frac{15^7}{1}$		<input type="checkbox"/> 208^{-8}

$\frac{1}{17^{-3}} = ?$	<input type="checkbox"/> 3^{17}	$25^{-5} = ?$	<input type="checkbox"/> $\frac{1}{250^{-5}}$	$5^{-1} = ?$	<input type="checkbox"/> $\frac{1}{5^{-5}}$
	<input checked="" type="checkbox"/> 17^3		<input checked="" type="checkbox"/> $\frac{1}{25^5}$		<input checked="" type="checkbox"/> $\frac{1}{5^1}$

$950^{-5} = ?$	<input checked="" type="checkbox"/> $\frac{1}{950^5}$	$700^{-10} = ?$	<input checked="" type="checkbox"/> $\frac{1}{700^{10}}$	$\frac{1}{3^{-9}} = ?$	<input type="checkbox"/> 3^{-9}
	<input type="checkbox"/> $\frac{5}{950^5}$		<input type="checkbox"/> $\frac{1}{700^{-10}}$		<input checked="" type="checkbox"/> 3^9

$\frac{1}{(10,000)^{-4}} = ?$	<input checked="" type="checkbox"/> $10,000^4$	$69^{-6} = ?$	<input checked="" type="checkbox"/> $\frac{1}{69^6}$	$\frac{1}{25^{-25}} = ?$	<input type="checkbox"/> 25^{-25}
	<input type="checkbox"/> $1,000^4$		<input type="checkbox"/> $\frac{1}{69^{-6}}$		<input checked="" type="checkbox"/> 25^{25}