Math worksheet on *'Exponents - Power Law - Ten Base with Variable Power to Exponent Base with Unknown Power (Level 1)'*. Part of a broader unit on *'Exponents - Power Law - Practice'*

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1 Solve for the missing exponent (?)

$$10^6 = (10^3)^?$$

a	b	c	d	e	f
$? = 4$	$? = 2$	$? = 3$	$? = 6$	$? = 10$	$? = 11$

2 Solve for the missing exponent (?)

$$10^{12} = (10^4)^?$$

a	b	c	d	e	f
$? = 5$	$? = 4$	$? = 7$	$? = 3$	$? = 6$	$? = 11$

3 Solve for the missing exponent (?)

$$10^6 = (10^2)^?$$

a	b	c	d	e	f
$? = 1$	$? = 2$	$? = 3$	$? = 8$	$? = 4$	$? = 7$

4 Solve for the missing exponent (?)

$$10^8 = (10^4)^?$$

a	b	c	d	e	f
$? = 5$	$? = 3$	$? = 10$	$? = 2$	$? = 7$	$? = 8$

5 Solve for the missing exponent (?)

$$10^9 = (10^3)^?$$

a	b	c	d	e	f
$? = 1$	$? = 10$	$? = 5$	$? = 6$	$? = 3$	$? = 11$

6 Solve for the missing exponent (?)

$$10^4 = (10^2)^?$$

a	b	c	d	e	f
$? = 7$	$? = 1$	$? = 2$	$? = 8$	$? = 6$	$? = 4$