

# EXPONENTS

**Directions:** Complete the table below. Use a calculator if necessary.

Number	Base	Exponent	Expanded Notation	Standard Notation
$2^3$	2		$2 \times 2 \times 2$	8
$3^2$		2		9
$5^4$			$5 \times 5 \times 5 \times 5$	
	6	2		
	8		$8 \times 8 \times 8$	
			$9 \times 9 \times 9 \times 9 \times 9 \times 9$	
$10^3$				
	7			49
	2			16
		3		27

## ANSWER KEY

# EXPONENTS

*Directions: Complete the table below. Use a calculator if necessary.*

Number	Base	Exponent	Expanded Notation	Standard Notation
$2^3$	2	<b>3</b>	$2 \times 2 \times 2$	8
$3^2$	<b>3</b>	2	<b><math>3 \times 3</math></b>	9
$5^4$	<b>5</b>	<b>4</b>	$5 \times 5 \times 5 \times 5$	<b>625</b>
<b><math>6^2</math></b>	6	2	<b><math>6 \times 6</math></b>	<b>36</b>
<b><math>8^3</math></b>	8	3	$8 \times 8 \times 8$	<b>512</b>
<b><math>9^6</math></b>	<b>9</b>	<b>6</b>	$9 \times 9 \times 9 \times 9 \times 9 \times 9$	<b>531,441</b>
$10^3$	<b>10</b>	<b>3</b>	<b><math>10 \times 10 \times 10</math></b>	<b>1,000</b>
<b><math>7^2</math></b>	7	<b>2</b>	<b><math>7 \times 7</math></b>	49
<b><math>2^4</math></b>	2	<b>4</b>	<b><math>2 \times 2 \times 2 \times 2</math></b>	16
<b><math>3^3</math></b>	<b>3</b>	3	<b><math>3 \times 3 \times 3</math></b>	27