



Math worksheet on 'Digit Solving - Ones Digit in Exponent Multiplication - Different Exponent (Large) (Level 1)'. Part of a broader unit on 'Digits and Divisibility - Practice'

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**1** Find the ones digit of this number once multiplied

|          |          |          |
|----------|----------|----------|
| <b>a</b> | <b>b</b> | <b>c</b> |
| 9        | 1        | 4        |
| <b>d</b> | <b>e</b> | <b>f</b> |
| 3        | 8        | 0        |

$5^{47} \cdot 6^{46}$

**2** Find the ones digit of this number once multiplied

|          |          |          |
|----------|----------|----------|
| <b>a</b> | <b>b</b> | <b>c</b> |
| 2        | 3        | 7        |
| <b>d</b> | <b>e</b> | <b>f</b> |
| 6        | 8        | 4        |

$6^{68} \cdot 1^{67}$

**3** Find the ones digit of this number once multiplied

|          |          |          |
|----------|----------|----------|
| <b>a</b> | <b>b</b> | <b>c</b> |
| 6        | 2        | 8        |
| <b>d</b> | <b>e</b> | <b>f</b> |
| 4        | 1        | 0        |

$5^{54} \cdot 4^{53}$

**4** Find the ones digit of this number once multiplied

|          |          |          |
|----------|----------|----------|
| <b>a</b> | <b>b</b> | <b>c</b> |
| 1        | 3        | 8        |
| <b>d</b> | <b>e</b> | <b>f</b> |
| 2        | 7        | 6        |

$4^{70} \cdot 6^{71}$

**5** Find the ones digit of this number once multiplied

|          |          |          |
|----------|----------|----------|
| <b>a</b> | <b>b</b> | <b>c</b> |
| 4        | 6        | 3        |
| <b>d</b> | <b>e</b> | <b>f</b> |
| 1        | 0        | 5        |

$6^{82} \cdot 1^{81}$

**6** Find the ones digit of this number once multiplied

|          |          |          |
|----------|----------|----------|
| <b>a</b> | <b>b</b> | <b>c</b> |
| 0        | 9        | 6        |
| <b>d</b> | <b>e</b> | <b>f</b> |
| 5        | 3        | 4        |

$4^{32} \cdot 6^{33}$

**7** Find the ones digit of this number once multiplied

|          |          |          |
|----------|----------|----------|
| <b>a</b> | <b>b</b> | <b>c</b> |
| 2        | 4        | 1        |
| <b>d</b> | <b>e</b> | <b>f</b> |
| 8        | 6        | 3        |

$6^{38} \cdot 1^{37}$