



Math worksheet on 'Digit Solving - Ones Digit in Exponent Multiplication - Different Exponent (Small) (Level 2)'. Part of a broader unit on 'Patterns and Sums - Advanced'

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

|          |          |          |
|----------|----------|----------|
| <b>a</b> | <b>b</b> | <b>c</b> |
| 1        | 0        | 8        |
| <b>d</b> | <b>e</b> | <b>f</b> |
| 7        | 2        | 9        |

$$7^6 \cdot 3^1$$

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

|          |          |          |
|----------|----------|----------|
| <b>a</b> | <b>b</b> | <b>c</b> |
| 8        | 7        | 9        |
| <b>d</b> | <b>e</b> | <b>f</b> |
| 2        | 6        | 1        |

$$9^7 \cdot 4^1$$

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

|          |          |          |
|----------|----------|----------|
| <b>a</b> | <b>b</b> | <b>c</b> |
| 9        | 6        | 2        |
| <b>d</b> | <b>e</b> | <b>f</b> |
| 3        | 4        | 5        |

$$1^8 \cdot 4^1$$

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

|          |          |          |
|----------|----------|----------|
| <b>a</b> | <b>b</b> | <b>c</b> |
| 2        | 9        | 8        |
| <b>d</b> | <b>e</b> | <b>f</b> |
| 1        | 6        | 4        |

$$8^8 \cdot 4^1$$

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

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

$$4^7 \cdot 7^1$$

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

|          |          |          |
|----------|----------|----------|
| <b>a</b> | <b>b</b> | <b>c</b> |
| 8        | 2        | 9        |
| <b>d</b> | <b>e</b> | <b>f</b> |
| 7        | 5        | 3        |

$$9^6 \cdot 2^1$$

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

|          |          |          |
|----------|----------|----------|
| <b>a</b> | <b>b</b> | <b>c</b> |
| 2        | 9        | 8        |
| <b>d</b> | <b>e</b> | <b>f</b> |
| 5        | 1        | 0        |

$$4^6 \cdot 7^1$$