



Math worksheet on 'Exponents - Multiplication - Negative by Negative to Negative (Level 2)'. Part of a broader unit on 'Exponents - Multiplication and Division - Advanced'

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1 Find the answer when these terms are multiplied

$$(z^{-6}) \cdot (z^{-5})$$

- | | | | | | |
|----------|-----------|-----------|-----|-----------|-----------|
| a | b | c | d | e | f |
| z^{-8} | z^{-14} | z^{-20} | z | z^{-11} | z^{-29} |

2 Find the answer when these terms are multiplied

$$(b^{-7}) \cdot (b^{-4})$$

- | | | | | | |
|----------|----------|-----------|-----------|-----------|-----------|
| a | b | c | d | e | f |
| b^{-8} | b^{-2} | b^{-20} | b^{-17} | b^{-11} | b^{-23} |

3 Find the answer when these terms are multiplied

$$(z^{-6}) \cdot (z^{-3})$$

- | | | | | | |
|-----------|----------|----------|-------|----------|----------|
| a | b | c | d | e | f |
| z^{-10} | z^{-2} | z^{-3} | z^9 | z^{-9} | z^{-1} |

4 Find the answer when these terms are multiplied

$$(p^{-6}) \cdot (p^{-5})$$

- | | | | | | |
|----------|-----------|-----------|-----|-----------|-----------|
| a | b | c | d | e | f |
| p^{-8} | p^{-26} | p^{-20} | p | p^{-11} | p^{-29} |

5 Find the answer when these terms are multiplied

$$(d^{-7}) \cdot (d^{-3})$$

- | | | | | | |
|-----------|----------|----------|-----------|-----------|-----------|
| a | b | c | d | e | f |
| d^{-13} | d^{-1} | d^{-7} | d^{-10} | d^{-16} | d^{-19} |

6 Find the answer when these terms are multiplied

$$(m^{-7}) \cdot (m^{-5})$$

- | | | | | | |
|-----------|-----------|-----------|----------|-----------|-----------|
| a | b | c | d | e | f |
| m^{-36} | m^{-20} | m^{-24} | m^{-8} | m^{-28} | m^{-12} |

7 Find the answer when these terms are multiplied

$$(r^{-5}) \cdot (r^{-6})$$

- | | | | | | |
|-----------|----------|-----------|-----------|-----------|-----|
| a | b | c | d | e | f |
| r^{-29} | r^{-8} | r^{-23} | r^{-17} | r^{-11} | r |