

Name _____

Date _____

Properties of Exponents - Independent Practice Worksheet

Simplify. Express your answers using positive exponents.

1. $r^{-2} \times r^{-2} \times r^{-4}$

2. $n^{-4} \times n^{-4} \times n^{-6}$

3. $b^{-9} \times b^{-9} \times b^{-2}$

4. $a^{-6} \times a^{-6} \times a^{-8}$

5. $k^{-3} \times k^{-3} \times k^{-8}$

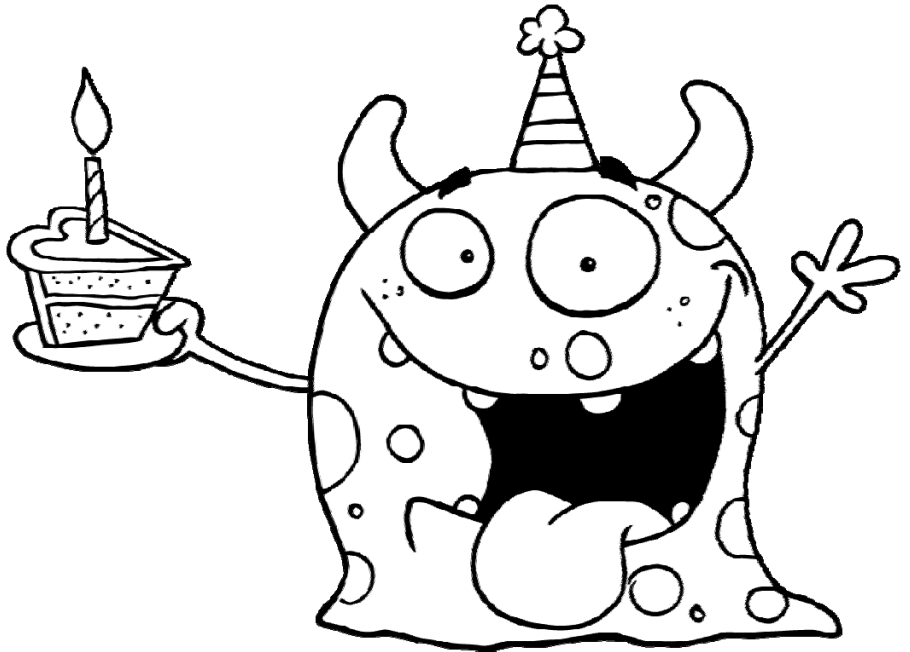
6. $\frac{v^{-5}}{v^2}$

7. $\frac{z^{-9}}{z^6}$

8. $\frac{q^{-10}}{q^8}$

9. $\frac{k^{-14}}{k^9}$

10. $\frac{a^{-7}}{a^4}$



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Properties of Exponents - Independent Practice Worksheet Answer Key

1. $\frac{1}{r^8}$

2. $\frac{1}{n^{14}}$

3. $\frac{1}{b^{20}}$

4. $\frac{1}{a^{20}}$

5. $\frac{1}{k^{14}}$

6. $\frac{1}{v^7}$

7. $\frac{1}{z^{15}}$

8. $\frac{1}{q^{18}}$

9. $\frac{1}{k^{23}}$

10. $\frac{1}{a^{11}}$

