

Name _____

Date _____

Happy Hanukkah Dividing with Exponents

Directions: Solve for the following division exponent problems.



1. $\frac{m^3}{m^7} = \underline{\hspace{2cm}}$



4. $\frac{t^{12}}{t^8} = \underline{\hspace{2cm}}$



2. $\frac{p^9}{p^5} = \underline{\hspace{2cm}}$



5. $\frac{y^9}{y^{19}} = \underline{\hspace{2cm}}$



3. $\frac{k^{-16}}{k^{11}} = \underline{\hspace{2cm}}$



6. $\frac{h^4}{h^{17}} = \underline{\hspace{2cm}}$



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Happy Hanukkah
Dividing with Exponents
Answer Key

Directions: Solve for the following division exponent problems.



1.
$$\frac{m^3}{m^7} = m^{-4}$$



4.
$$\frac{t^{12}}{t^8} = t^4$$



2.
$$\frac{p^9}{p^5} = p^4$$



5.
$$\frac{y^9}{y^{19}} = y^{-10}$$



3.
$$\frac{k^{-16}}{k^{11}} = k^{-5}$$



6.
$$\frac{h^4}{h^{17}} = h^{-13}$$

