

Applying the Exponent Rule for Distributivity over Division

Simplify.

1) $\left(\frac{2}{3}\right)^2$

2) $\left(\frac{3}{5}\right)^3$

3) $\left(\frac{x}{z}\right)^4$

4) $\left(\frac{n}{w}\right)^{10}$

5) $\left(\frac{4}{n}\right)^3$

6) $\left(\frac{2}{c}\right)^5$

7) $\left(\frac{6}{-n}\right)^2$

8) $\left(\frac{t}{-2}\right)^4$

9) $\left(-\frac{5}{v}\right)^3$

10) $\left(\frac{12}{h}\right)^2$

Answers to Applying the Exponent Rule for Distributivity over Division

$$1) \frac{4}{9}$$

$$2) \frac{27}{125}$$

$$3) \frac{x^4}{z^4}$$

$$4) \frac{n^{10}}{w^{10}}$$

$$5) \frac{64}{n^3}$$

$$6) \frac{32}{c^5}$$

$$7) \frac{36}{n^2}$$

$$8) \frac{t^4}{16}$$

$$9) -\frac{125}{v^3}$$

$$10) \frac{144}{h^2}$$