

## Exponents and Division

**Simplify. Your answer should contain only positive exponents.**

1)  $\frac{5^4}{5}$

2)  $\frac{3}{3^3}$

3)  $\frac{2^2}{2^3}$

4)  $\frac{2^4}{2^2}$

5)  $\frac{3r^3}{2r}$

6)  $\frac{7k^2}{4k^3}$

7)  $\frac{10p^4}{6p}$

8)  $\frac{3b}{10b^3}$

9)  $\frac{8m^3}{10m^3}$

10)  $\frac{7n^3}{2n^5}$

$$11) \frac{2n^2}{n}$$

$$12) \frac{8x^3}{10x^5}$$

$$13) \frac{12x^3}{9y^8}$$

$$14) \frac{14x^4y^7}{6x^5y^4}$$

$$15) \frac{11u^4}{17u^7v^9}$$

$$16) \frac{4y^4}{14yx^8}$$

$$17) \frac{12yx^4}{10yx^8}$$

$$18) \frac{18x^8y^8}{10x^3}$$

$$19) \frac{5n^8}{20n^8}$$

$$20) \frac{16yx^4}{9x^8y^2}$$

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7)  $\frac{10p^4}{6p}$

$\frac{5p^3}{3}$

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$\frac{4}{5}$

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

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$$2n$$

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$$\frac{4}{5x^2}$$

$$13) \frac{12x^3}{9y^8}$$
$$\frac{4x^3}{3y^8}$$

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$$\frac{7y^3}{3x}$$

$$15) \frac{11u^4}{17u^7v^9}$$
$$\frac{11}{17u^3v^9}$$

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$$\frac{2y^3}{7x^8}$$

$$17) \frac{12yx^4}{10yx^8}$$
$$\frac{6}{5x^4}$$

$$18) \frac{18x^8y^8}{10x^3}$$
$$\frac{9x^5y^8}{5}$$

$$19) \frac{5n^8}{20n^8}$$
$$\frac{1}{4}$$

$$20) \frac{16yx^4}{9x^8y^2}$$
$$\frac{16}{9x^4y}$$