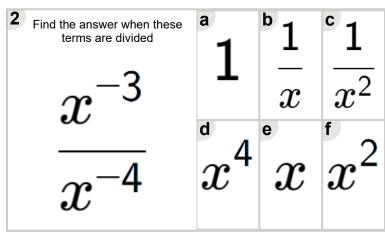# mobius

Math worksheet on *'Exponents - Division - Negative by Negative to Positive (Level 1)'*. Part of a broader unit on *'Exponents - Multiplication and Division - Advanced'*
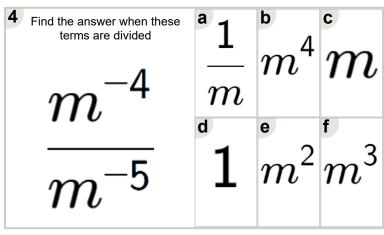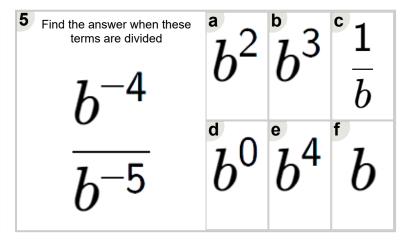
Learn online:
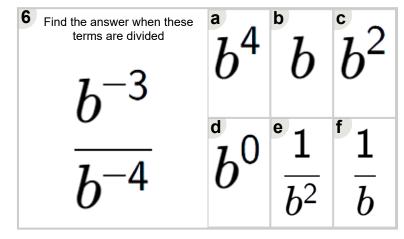app.mobius.academy/math/units/exponents_multiplication_and_division_advanced/

**1** Find the answer when these terms are divided

$$\frac{y^{-3}}{y^{-4}}$$

| a | b | c |
|---|---|---|
| $\frac{1}{y}$ | $1$ | $y^2$ |
| **d** | **e** | **f** |
| $y^4$ | $y$ | $\frac{1}{y^2}$ |

**2** Find the answer when these terms are divided

$$\frac{x^{-3}}{x^{-4}}$$

| a | b | c |
|---|---|---|
| $1$ | $\frac{1}{x}$ | $\frac{1}{x^2}$ |
| **d** | **e** | **f** |
| $x^4$ | $x$ | $x^2$ |

**3** Find the answer when these terms are divided

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

| a | b | c |
|---|---|---|
| $x^0$ | $1$ | $x^3$ |
| **d** | **e** | **f** |
| $x$ | $\frac{1}{x}$ | $x^2$ |

**4** Find the answer when these terms are divided

$$\frac{m^{-4}}{m^{-5}}$$

| a | b | c |
|---|---|---|
| $\frac{1}{m}$ | $m^4$ | $m$ |
| **d** | **e** | **f** |
| $1$ | $m^2$ | $m^3$ |

**5** Find the answer when these terms are divided

$$\frac{b^{-4}}{b^{-5}}$$

| a | b | c |
|---|---|---|
| $b^2$ | $b^3$ | $\frac{1}{b}$ |
| **d** | **e** | **f** |
| $b^0$ | $b^4$ | $b$ |

**6** Find the answer when these terms are divided

$$\frac{b^{-3}}{b^{-4}}$$

| a | b | c |
|---|---|---|
| $b^4$ | $b$ | $b^2$ |
| **d** | **e** | **f** |
| $b^0$ | $\frac{1}{b^2}$ | $\frac{1}{b}$ |

**7** Find the answer when these terms are divided

$$\frac{p^{-4}}{p^{-5}}$$

| a | b | c |
|---|---|---|
| $p^3$ | $p^4$ | $p$ |
| **d** | **e** | **f** |
| $\frac{1}{p}$ | $p^2$ | $p^0$ |