



## Műveletek hatványokkal

1. Tedd ki a relációs jeleket!

$$2^3 \quad \boxed{\phantom{00}} \quad 3^2$$

$$2^5 \quad \boxed{\phantom{00}} \quad 2^4$$

$$4^2 \quad \boxed{\phantom{00}} \quad 2^4$$

$$(2^5)^2 \quad \boxed{\phantom{00}} \quad (2^2)^5$$

$$2^8 \quad \boxed{\phantom{00}} \quad 8^2$$

$$5 \cdot 2^5 \quad \boxed{\phantom{00}} \quad 2 \cdot 5^2$$

$$3^6 \quad \boxed{\phantom{00}} \quad 9^3$$

$$3 \cdot 2^3 \quad \boxed{\phantom{00}} \quad (2^3)^3$$

$$6^2 \quad \boxed{\phantom{00}} \quad 3^2 \cdot 4$$

2. Számítsd ki!

$$10^2 \cdot 10^2 = 10^x \quad \boxed{\phantom{00}}$$

$$x =$$

$$2^3 \cdot 3^3 = a^3 \quad a = \boxed{\phantom{00}}$$

$$2^0 \cdot 3^0 = b \quad b = \boxed{\phantom{00}}$$

$$2 \cdot 2^6 = d^c \quad d = \boxed{\phantom{00}}$$

$$c = \boxed{\phantom{00}}$$

$$2^5 \cdot 2^2 = e^f \quad e = \boxed{\phantom{00}} \quad f = \boxed{\phantom{00}}$$

$$\frac{5^4}{5} = g^h \quad g = \boxed{\phantom{00}}$$

$$h = \boxed{\phantom{00}}$$

$$x^2 = 3^2 \quad x = \boxed{\phantom{00}}$$

$$y^3 = 2^6 \quad y = \boxed{\phantom{00}}$$

3. Számítsd ki az eredményt

$$-5^3 \cdot 2^2 \cdot 2^3 = -4 \cdot k^3 \quad k = \boxed{\phantom{00}}$$

$$2 \cdot 2^5 \cdot 3^3 \cdot 3^2 \cdot 3 = l^m \quad l = \boxed{\phantom{00}}$$

$$m = \boxed{\phantom{00}}$$

$$3^3 \cdot 2^2 \cdot 5 \cdot 3 \cdot 5^2 \cdot 2 = 81 \cdot n^p \quad n = \boxed{\phantom{00}}$$

$$p = \boxed{\phantom{00}}$$

$$5^2 \cdot 2 \cdot 3^3 \cdot 2^3 \cdot 5^2 = q \cdot 10^r \quad q = \boxed{\phantom{00}}$$

$$r = \boxed{\phantom{00}}$$

4. Számítsd ki az eredményeket!

$$\frac{5 \cdot 2 \cdot 3^2 \cdot 2^3}{5 \cdot 2 \cdot 3^2} = \boxed{\phantom{00}} \quad \boxed{\phantom{00}}$$

$$\frac{2^3 \cdot 3^4 \cdot 5^5}{2^3 \cdot 3 \cdot 5} = \boxed{\phantom{00}}^3 \cdot \boxed{\phantom{00}} \cdot \boxed{\phantom{00}}.$$



$$\frac{(2^3 \cdot 3^2 \cdot 5)^2}{2^6 \cdot 3^2 \cdot 5^3} = \boxed{\phantom{00}}^2 \quad \boxed{\phantom{00}}$$