

1. Arvuta.

1. $2,7^4 \cdot 3^4 =$ _____

2. $5^3 \cdot \left(\frac{-4}{5}\right)^3 =$ _____

3. $4^2 \cdot \left(\frac{1}{8}\right)^2 =$ _____

4. $0,15^5 \cdot 10^5 =$ _____

5. $(-0,6)^4 \cdot 5^4 =$ _____

6. $\left(-\frac{3}{7}\right)^2 \cdot \left(\frac{7}{3}\right)^2 =$ _____

7. $6,4^3 : 0,8^3 =$ _____

8. $\left(\frac{-5}{9}\right)^3 : \left(\frac{-5}{3}\right)^3 =$ _____

2. Arvuta.

1. $\frac{3 \cdot (-8)^2}{(-2)^4} =$ _____

2. $\frac{4 \cdot (-3)^3}{(-3)^2} =$ _____

3. $\frac{-5^2 \cdot (-7)^3}{(-5)^2} =$ _____

4. $\frac{(2,5 - 1,3)^2}{0,4^2} =$ _____

5. $\frac{(-0,7)^3 \cdot (-0,7)^2}{(-0,7)^4} =$ _____

6. $\frac{(6 - 2,5)^3}{0,5 \cdot (-3)^2} =$ _____

3. Lihtsusta ja arvuta.

1. $4^7 : 4^3 =$ _____

2. $\left(-\frac{2}{3}\right)^{18} : \left(-\frac{2}{3}\right)^{15} =$ _____

3. $0,2^{25} : 0,2^{22} =$ _____

4. $\frac{3^{14}}{3^9} =$ _____

5. $(-11)^{12} : (-11)^{10} =$ _____

$$6. \left(\frac{5}{8}\right)^{21} : \left(\frac{5}{8}\right)^{19} = \underline{\hspace{2cm}}$$

4. Teisenda avaldis korrutise astmeks ja arvuta.

$$1. 1,6^3 \cdot 5^3 = \underline{\hspace{2cm}}$$

$$2. (-0,3)^4 \cdot 10^4 = \underline{\hspace{2cm}}$$

$$3. 0,09^2 \cdot 11^2 = \underline{\hspace{2cm}}$$

$$4. \left(\frac{3}{5}\right)^3 \cdot \left(1\frac{2}{5}\right)^3 = \underline{\hspace{2cm}}$$

$$5. 0,4^5 \cdot 2,5^5 = \underline{\hspace{2cm}}$$

$$6. (-2)^3 \cdot \left(-1\frac{1}{2}\right)^3 = \underline{\hspace{2cm}}$$

5. Astenda, lihtsusta ja seejärel arvuta.

$$1. \frac{(2^3)^4 \cdot (2^2)^3}{(2^4)^3 \cdot (2^3)^2} = \underline{\hspace{2cm}}$$

$$2. \frac{(3^4)^3 \cdot (3^2)^5}{(3^3)^4 \cdot (3^5)^2} = \underline{\hspace{2cm}}$$

$$3. \frac{(5^2)^5 \cdot (5^3)^3}{(5^4)^2 \cdot (5^3)^4} = \underline{\hspace{2cm}}$$

$$4. \frac{(6^3)^4 \cdot (2^2)^4}{(-6^2)^4 \cdot (-2^3)^4} = \underline{\hspace{2cm}}$$

$$5. \frac{(-4^3)^3 \cdot (-2^2)^6}{(-4^2)^4 \cdot (-2^3)^4} = \underline{\hspace{2cm}}$$

$$6. \frac{(-7^2)^5 \cdot (3^2)^6}{(7^3)^3 \cdot (-3^2)^5} = \underline{\hspace{2cm}}$$