

## Write the expressions using exponents

---

### Grade 6 Exponents Worksheet

Write the following expressions using exponents.

For example,  $8 \times 8 \times 8$  is written as  $8^3$ . You don't have to solve.

1)  $(-0.05) \times (-0.05) \times (-0.05) \times (-0.05) \times (-0.05)$

2)  $5.02 \times 5.02 \times 5.02 \times 5.02 \times 5.02 \times 5.02 \times 5.02 \times 5.02 \times 5.02 \times 5.02$

3)  $\frac{3}{7} \times \frac{3}{7} \times \frac{3}{7} \times \frac{3}{7} \times \frac{3}{7} \times \frac{3}{7}$

4)  $15 \times 15 \times 15 \times 15 \times 15 \times 15 \times 15 \times 15 \times 15 \times 15 \times 15 \times 15 \times 15 \times 15 \times 15$

5)  $2.3 \times 2.3 \times 2.3 \times 2.3 \times 2.3 \times 2.3 \times 2.3 \times 2.3 \times 2.3 \times 2.3 \times 2.3$

6)  $\left(-\frac{13}{11}\right) \times \left(-\frac{13}{11}\right) \times \left(-\frac{13}{11}\right) \times \left(-\frac{13}{11}\right)$

7)  $51 \times 51 \times 51 \times 51 \times 51 \times 51 \times 51 \times 51 \times 51 \times 51 \times 51 \times 51$

8)  $(-1.02) \times (-1.02) \times (-1.02)$

9)  $(-3) \times (-3) \times (-3) \times (-3) \times (-3)$

10)  $14 \times 14 \times 14 \times 14 \times 14 \times 14$

11)  $\left(-\frac{12}{5}\right) \times \left(-\frac{12}{5}\right) \times \left(-\frac{12}{5}\right)$

12)  $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$

## Answers

1)  $(-0.05)^5$

7)  $51^{12}$

2)  $5.02^{10}$

8)  $(-1.02)^3$

3)  $\left(\frac{3}{7}\right)^6$

9)  $(-3)^5$

4)  $15^{14}$

10)  $14^6$

5)  $2.3^{11}$

11)  $\left(-\frac{12}{5}\right)^3$

6)  $\left(-\frac{13}{11}\right)^4$

12)  $2^{16}$