

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) $1.44 \times 1.44 \times 1.44 \times 1.44 \times 1.44 \times 1.44 \times 1.44 \times 1.44 \times 1.44$

2) $35 \times 35 \times 35 \times 35 \times 35$

3) $91 \times 91 \times 91 \times 91 \times 91 \times 91 \times 91 \times 91 \times 91 \times 91 \times 91 \times 91 \times 91$

4) $\frac{15}{4} \times \frac{15}{4} \times \frac{15}{4} \times \frac{15}{4} \times \frac{15}{4} \times \frac{15}{4}$

5) $(-0.078) \times (-0.078) \times (-0.078) \times (-0.078) \times (-0.078)$

6) $\left(-\frac{4}{19}\right) \times \left(-\frac{4}{19}\right) \times \left(-\frac{4}{19}\right) \times \left(-\frac{4}{19}\right) \times \left(-\frac{4}{19}\right) \times \left(-\frac{4}{19}\right) \times \left(-\frac{4}{19}\right)$

7) $8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8$

8) $(-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2)$

9) $1.7 \times 1.7 \times 1.7 \times 1.7 \times 1.7 \times 1.7$

10) $1 \times 1 \times 1 \times 1 \times 1$

11) $\frac{1}{6} \times \frac{1}{6} \times \frac{1}{6} \times \frac{1}{6} \times \frac{1}{6} \times \frac{1}{6} \times \frac{1}{6} \times \frac{1}{6} \times \frac{1}{6}$

12) $2.8 \times 2.8 \times 2.8 \times 2.8 \times 2.8 \times 2.8 \times 2.8 \times 2.8 \times 2.8$

Answers

1) 1.44^9

7) 8^8

2) 35^5

8) $(-2)^{10}$

3) 91^{13}

9) 1.7^6

4) $\left(\frac{15}{4}\right)^6$

10) 1^5

5) $(-0.078)^5$

11) $\left(\frac{1}{6}\right)^8$

6) $\left(-\frac{4}{19}\right)^7$

12) 2.8^9