



## 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)  $45 \times 45 \times 45 \times 45$

$$^2) \quad (-11) \times (-11) \times (-11) \times (-11) \times (-11) \times (-11) \times (-11)$$

$$3) \quad \frac{2}{5} \times \frac{2}{5} \times \frac{2}{5} \times \frac{2}{5} \times \frac{2}{5} \times \frac{2}{5}$$

[illegible]

[illegible]

6)  $(-0.7) \times (-0.7) \times (-0.7) \times (-0.7) \times (-0.7) \times (-0.7) \times (-0.7) \times (-0.7)$

7)  $5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5$

8)  $1.3 \times 1.3 \times 1.3 \times 1.3 \times 1.3 \times 1.3 \times 1.3 \times 1.3 \times 1.3$

9)  $(-2.5) \times (-2.5) \times (-2.5) \times (-2.5) \times (-2.5) \times (-2.5) \times (-2.5)$

10)  $4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4$

$$^{11)} \quad (-5) \times (-5) \times (-5) \times (-5) \times (-5)$$

[illegible]



## Answers

1)  $45^4$

2)  $(-11)^7$

3)  $\left(\frac{2}{5}\right)^6$

4)  $4.75^{10}$

5)  $3^{14}$

6)  $(-0.7)^8$

7)  $5^8$

8)  $1.3^9$

9)  $(-2.5)^7$

10)  $4^{12}$

11)  $(-5)^5$

12)  $\left(-\frac{2}{5}\right)^9$

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