

Evaluate the Exponents

Name: _____

Date: _____

Rewrite in Exponent Form

1) $5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5$ = 5^8

2) $(-2.5) \times (-2.5) \times (-2.5) \times (-2.5) \times (-2.5)$ = _____

3) $\left(\frac{2}{5}\right) \times \left(\frac{2}{5}\right) \times \left(\frac{2}{5}\right) \times \left(\frac{2}{5}\right) \times \left(\frac{2}{5}\right) \times \left(\frac{2}{5}\right)$ = _____

4) $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ = _____

5) $2.3 \times 2.3 \times 2.3 \times 2.3 \times 2.3$ = _____

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

7) $3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3$ = _____

8) $\left(-\frac{4}{3}\right) \times \left(-\frac{4}{3}\right)$ = _____

9) $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ = _____

10) $(-0.62) \times (-0.62) \times (-0.62) \times (-0.62)$ = _____

11) $2.1 \times 2.1 \times 2.1 \times 2.1 \times 2.1 \times 2.1 \times 2.1 \times 2.1$ = _____

12) $(-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2)$ = _____

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Rewrite in Exponent Form

$$1) \quad 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 = \underline{5^8}$$

$$2) \quad (-2.5) \times (-2.5) \times (-2.5) \times (-2.5) \times (-2.5) = \underline{(-2.5)^5}$$

$$3) \quad \left(\frac{2}{5}\right) \times \left(\frac{2}{5}\right) \times \left(\frac{2}{5}\right) \times \left(\frac{2}{5}\right) \times \left(\frac{2}{5}\right) \times \left(\frac{2}{5}\right) = \underline{\left(\frac{2}{5}\right)^6}$$

$$4) \quad \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \underline{\left(\frac{1}{2}\right)^9}$$

$$5) \quad 2.3 \times 2.3 \times 2.3 \times 2.3 \times 2.3 = \underline{2.3^5}$$

$$6) \quad (-0.7) \times (-0.7) \times (-0.7) \times (-0.7) = \underline{(-0.7)^4}$$

$$7) \quad 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 = \underline{3^{10}}$$

$$8) \quad \left(-\frac{4}{3}\right) \times \left(-\frac{4}{3}\right) = \underline{\left(-\frac{4}{3}\right)^2}$$

$$9) \quad \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \underline{\left(\frac{1}{2}\right)^9}$$

$$10) \quad (-0.62) \times (-0.62) \times (-0.62) \times (-0.62) = \underline{(-0.62)^4}$$

$$11) \quad 2.1 \times 2.1 \times 2.1 \times 2.1 \times 2.1 \times 2.1 \times 2.1 \times 2.1 = \underline{2.1^8}$$

$$12) \quad (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) = \underline{(-2)^7}$$