

Evaluate the Exponents

Name: _____

Date: _____

Rewrite in Exponent Form

1) $\frac{51}{4} \times \frac{51}{4} \times \frac{51}{4} \times \frac{51}{4} \times \frac{51}{4} \times \frac{51}{4} \times \frac{51}{4} \times \frac{51}{4} \times \frac{51}{4}$ = _____

2) $\left(-\frac{63}{2}\right) \times \left(-\frac{63}{2}\right) \times \left(-\frac{63}{2}\right) \times \left(-\frac{63}{2}\right) \times \left(-\frac{63}{2}\right)$ = _____

3) $(-27) \times (-27) \times (-27) \times (-27) \times (-27) \times (-27)$ = _____

4) $\left(\frac{19}{7}\right) \times \left(\frac{19}{7}\right) \times \left(\frac{19}{7}\right) \times \left(\frac{19}{7}\right) \times \left(\frac{19}{7}\right) \times \left(\frac{19}{7}\right) \times \left(\frac{19}{7}\right)$ = _____

5) $23 \times 23 \times 23 \times 23 \times 23 \times 23 \times 23 \times 23 \times 23$ = _____

6) $16.8 \times 16.8 \times 16.8 \times 16.8 \times 16.8 \times 16.8 \times 16.8 \times 16.8$ = _____

7) $(-14.6) \times (-14.6) \times (-14.6) \times (-14.6) \times (-14.6)$ = _____

8) $(15.32) \times (15.32) \times (15.32) \times (15.32)$ = _____

9) $(-0.97) \times (-0.97) \times (-0.97) \times (-0.97)$ = _____

10) $26 \times 26 \times 26 \times 26 \times 26 \times 26 \times 26 \times 26 \times 26 \times 26 \times 26$ = _____

11) $18.3 \times 18.3 \times 18.3 \times 18.3 \times 18.3 \times 18.3 \times 18.3$ = _____

12) $\frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65}$ = _____

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$$1) \quad \frac{51}{4} \times \frac{51}{4} \times \frac{51}{4} \times \frac{51}{4} \times \frac{51}{4} \times \frac{51}{4} \times \frac{51}{4} \times \frac{51}{4} \times \frac{51}{4} = \frac{\left(\frac{51}{4}\right)^9}{\underline{\hspace{2cm}}}$$

$$2) \quad \left(-\frac{63}{2}\right) \times \left(-\frac{63}{2}\right) \times \left(-\frac{63}{2}\right) \times \left(-\frac{63}{2}\right) \times \left(-\frac{63}{2}\right) = \frac{\left(-\frac{63}{2}\right)^5}{\underline{\hspace{2cm}}}$$

$$3) \quad (-27) \times (-27) \times (-27) \times (-27) \times (-27) \times (-27) = \frac{(-27)^6}{\underline{\hspace{2cm}}}$$

$$4) \quad \left(\frac{19}{7}\right) \times \left(\frac{19}{7}\right) \times \left(\frac{19}{7}\right) \times \left(\frac{19}{7}\right) \times \left(\frac{19}{7}\right) \times \left(\frac{19}{7}\right) \times \left(\frac{19}{7}\right) = \frac{\left(\frac{19}{7}\right)^7}{\underline{\hspace{2cm}}}$$

$$5) \quad 23 \times 23 \times 23 \times 23 \times 23 \times 23 \times 23 \times 23 \times 23 = \frac{23^9}{\underline{\hspace{2cm}}}$$

$$6) \quad 16.8 \times 16.8 \times 16.8 \times 16.8 \times 16.8 \times 16.8 \times 16.8 \times 16.8 = \frac{(16.8)^8}{\underline{\hspace{2cm}}}$$

$$7) \quad (-14.6) \times (-14.6) \times (-14.6) \times (-14.6) \times (-14.6) = \frac{(-14.6)^5}{\underline{\hspace{2cm}}}$$

$$8) \quad (15.32) \times (15.32) \times (15.32) \times (15.32) = \frac{(15.32)^4}{\underline{\hspace{2cm}}}$$

$$9) \quad (-0.97) \times (-0.97) \times (-0.97) \times (-0.97) = \frac{(-0.97)^4}{\underline{\hspace{2cm}}}$$

$$10) \quad 26 \times 26 \times 26 \times 26 \times 26 \times 26 \times 26 \times 26 \times 26 \times 26 \times 26 = \frac{26^{11}}{\underline{\hspace{2cm}}}$$

$$11) \quad 18.3 \times 18.3 \times 18.3 \times 18.3 \times 18.3 \times 18.3 \times 18.3 = \frac{(18.3)^7}{\underline{\hspace{2cm}}}$$

$$12) \quad \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} \times \frac{6}{65} = \frac{\left(\frac{6}{65}\right)^{10}}{\underline{\hspace{2cm}}}$$