

Evaluate the Exponents

Name: _____

Date: _____

Rewrite in Exponent Form

1) $\left(\frac{21}{8}\right) \times \left(\frac{21}{8}\right) \times \left(\frac{21}{8}\right) \times \left(\frac{21}{8}\right) \times \left(\frac{21}{8}\right) \times \left(\frac{21}{8}\right) \times \left(\frac{21}{8}\right) =$ _____

2) $(-3.62) \times (-3.62) \times (-3.62) \times (-3.62) \times (-3.62) =$ _____

3) $\frac{1}{17} \times \frac{1}{17} \times \frac{1}{17} \times \frac{1}{17} \times \frac{1}{17} \times \frac{1}{17} \times \frac{1}{17} \times \frac{1}{17} \times \frac{1}{17} =$ _____

4) $(-40) \times (-40) \times (-40) \times (-40) \times (-40) \times (-40) =$ _____

5) $(-8.42) \times (-8.42) \times (-8.42) =$ _____

6) $9.6 \times 9.6 \times 9.6 \times 9.6 \times 9.6 \times 9.6 \times 9.6 \times 9.6 \times 9.6 \times 9.6 =$ _____

7) $\left(-\frac{49}{6}\right) \times \left(-\frac{49}{6}\right) \times \left(-\frac{49}{6}\right) \times \left(-\frac{49}{6}\right) \times \left(-\frac{49}{6}\right) \times \left(-\frac{49}{6}\right) =$ _____

8) $\left(-\frac{21}{2}\right) \times \left(-\frac{21}{2}\right) \times \left(-\frac{21}{2}\right) \times \left(-\frac{21}{2}\right) =$ _____

9) $5.7 \times 5.7 \times 5.7 \times 5.7 \times 5.7 \times 5.7 \times 5.7 \times 5.7 =$ _____

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

11) $\frac{15}{13} \times \frac{15}{13} \times \frac{15}{13} \times \frac{15}{13} \times \frac{15}{13} \times \frac{15}{13} \times \frac{15}{13} \times \frac{15}{13} \times \frac{15}{13} =$ _____

12) $8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 =$ _____

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$$1) \left(\frac{21}{8}\right) \times \left(\frac{21}{8}\right) \times \left(\frac{21}{8}\right) \times \left(\frac{21}{8}\right) \times \left(\frac{21}{8}\right) \times \left(\frac{21}{8}\right) \times \left(\frac{21}{8}\right) = \frac{\left(\frac{21}{8}\right)^7}{}$$

$$2) (-3.62) \times (-3.62) \times (-3.62) \times (-3.62) \times (-3.62) = \frac{(-3.62)^5}{}$$

$$3) \frac{1}{17} \times \frac{1}{17} \times \frac{1}{17} \times \frac{1}{17} \times \frac{1}{17} \times \frac{1}{17} \times \frac{1}{17} \times \frac{1}{17} \times \frac{1}{17} = \frac{\left(\frac{1}{17}\right)^9}{}$$

$$4) (-40) \times (-40) \times (-40) \times (-40) \times (-40) \times (-40) = \frac{(-40)^6}{}$$

$$5) (-8.42) \times (-8.42) \times (-8.42) = \frac{(-8.42)^3}{}$$

$$6) 9.6 \times 9.6 \times 9.6 \times 9.6 \times 9.6 \times 9.6 \times 9.6 \times 9.6 \times 9.6 \times 9.6 = \frac{(9.6)^{10}}{}$$

$$7) \left(-\frac{49}{6}\right) \times \left(-\frac{49}{6}\right) \times \left(-\frac{49}{6}\right) \times \left(-\frac{49}{6}\right) \times \left(-\frac{49}{6}\right) \times \left(-\frac{49}{6}\right) = \frac{\left(-\frac{49}{6}\right)^6}{}$$

$$8) \left(-\frac{21}{2}\right) \times \left(-\frac{21}{2}\right) \times \left(-\frac{21}{2}\right) \times \left(-\frac{21}{2}\right) = \frac{\left(-\frac{21}{2}\right)^4}{}$$

$$9) 5.7 \times 5.7 \times 5.7 \times 5.7 \times 5.7 \times 5.7 \times 5.7 \times 5.7 = \frac{(5.7)^8}{}$$

$$10) 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = \frac{10^{11}}{}$$

$$11) \frac{15}{13} \times \frac{15}{13} \times \frac{15}{13} \times \frac{15}{13} \times \frac{15}{13} \times \frac{15}{13} \times \frac{15}{13} \times \frac{15}{13} \times \frac{15}{13} = \frac{\left(\frac{15}{13}\right)^9}{}$$

$$12) 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 = \frac{8^{14}}{}$$