



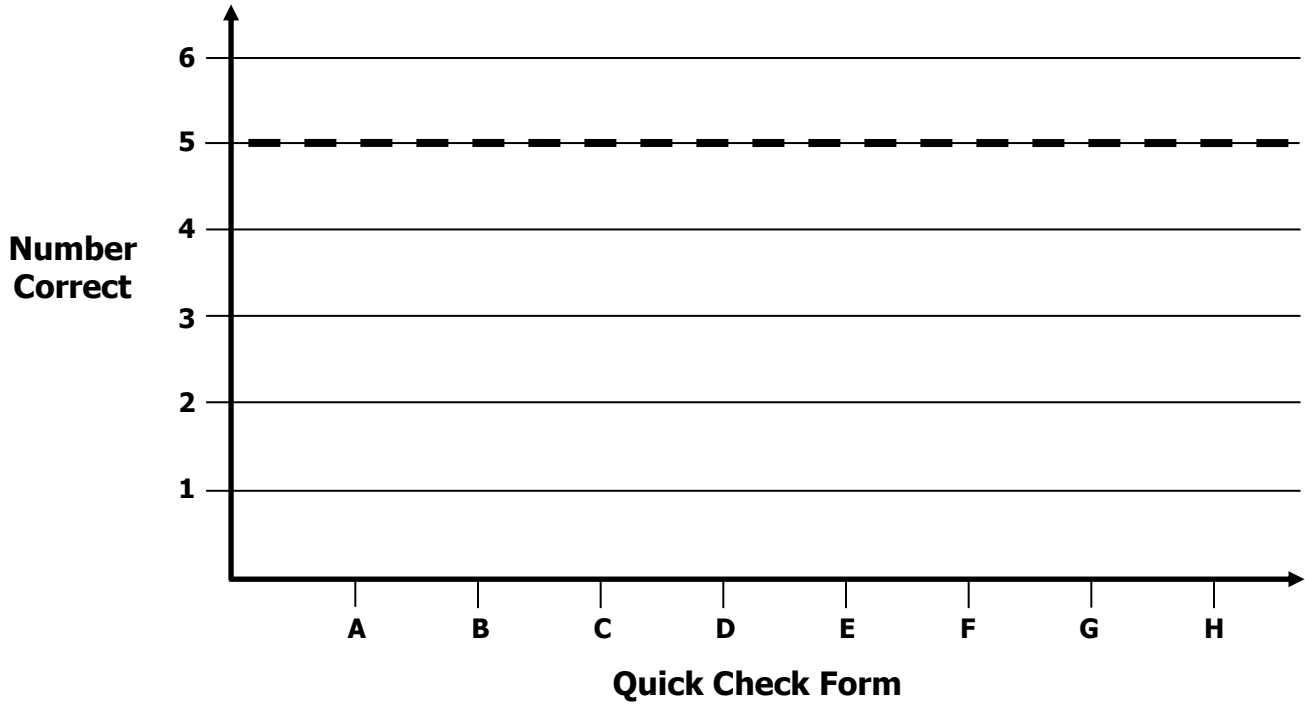
Algebra 1 Growth Chart

Readiness Standard 4 - 8.EE.1

Name _____

Learning Target: I will simplify numerical expressions with integer exponents.

Goal: 5 out of 6 correct



Intervention Notes	Date	Score



Algebra 1 Quick Check – Form A

Readiness Standard 4 - 8.EE.1

Name _____ Date _____

Learning Target: I will find equivalent numerical expressions using properties of integer exponents.

Directions: Circle the equivalent expression for each problem. (Work time: 3 minutes)

<p>1.</p> $5^6 \times 5^4$ <p>5^{10} 5^{24} 25^{10} 10^{24}</p>	<p>2.</p> $4^3 \times 4^7$ <p>16^{10} 8^{21} 4^{10} 4^{21}</p>
<p>3.</p> $\frac{2^8}{2^4}$ <p>2^{-4} 2^4 1^2 1^4</p>	<p>4.</p> $\frac{8^3}{8^9}$ <p>1^6 1^{-3} 8^6 8^{-6}</p>
<p>5.</p> $(5^6)^2$ <p>5^8 5^4 5^{12} 5^3</p>	<p>6.</p> $(3^4)^8$ <p>3^4 3^{32} 3^{12} 3^2</p>



Algebra 1 Quick Check – Form B

Readiness Standard 4 - 8.EE.1

Name _____ Date _____

Learning Target: I will find equivalent numerical expressions using properties of integer exponents.

Directions: Circle the equivalent expression for each problem. (Work time: 3 minutes)

<p>1.</p> $3^4 \times 3^2$ <p>3^8 3^6 6^8 9^6</p>	<p>2.</p> $7^3 \times 7^6$ <p>14^{18} 49^9 7^{18} 7^9</p>
<p>3.</p> $\frac{4^2}{4^6}$ <p>1^{-4} 4^4 1^{-3} 4^{-4}</p>	<p>4.</p> $\frac{9^8}{9^4}$ <p>9^4 9^{-4} 1^2 1^{-4}</p>
<p>5.</p> $(6^4)^2$ <p>6^6 6^8 6^2 6^{-2}</p>	<p>6.</p> $(2^3)^6$ <p>2^3 2^2 2^9 2^{18}</p>



Algebra 1 Quick Check – Form C

Readiness Standard 4 - 8.EE.1

Name _____ Date _____

Learning Target: I will find equivalent numerical expressions using properties of integer exponents.

Directions: Circle the equivalent expression for each problem. (Work time: 3 minutes)

<p>1.</p> $6^2 \times 6^5$ <p>6^7 12^{10} 36^7 6^{10}</p>	<p>2.</p> $2^7 \times 2^3$ <p>2^{21} 4^{10} 4^{21} 2^{10}</p>
<p>3.</p> $\frac{5^{12}}{5^4}$ <p>5^{-8} 5^8 1^3 5^{-3}</p>	<p>4.</p> $\frac{4^5}{4^{15}}$ <p>4^{10} 1^{-3} 4^{-3} 4^{-10}</p>
<p>5.</p> $(8^2)^{10}$ <p>8^{-8} 8^{12} 8^{20} 8^5</p>	<p>6.</p> $(6^9)^3$ <p>6^6 6^3 6^{12} 6^{27}</p>



Algebra 1 Quick Check – Form D

Readiness Standard 4 - 8.EE.1

Name _____ Date _____

Learning Target: I will find equivalent numerical expressions using properties of integer exponents.

Directions: Circle the equivalent expression for each problem. (Work time: 3 minutes)

<p>1.</p> $4^5 \times 4^3$ <p>4^{15} 4^8 8^{15} 16^8</p>	<p>2.</p> $9^4 \times 9^6$ <p>81^{10} 9^{24} 18^{24} 9^{10}</p>
<p>3.</p> $\frac{7^2}{7^{10}}$ <p>7^{12} 7^{-8} 7^{-5} 1^{-8}</p>	<p>4.</p> $\frac{2^9}{2^3}$ <p>2^{12} 2^3 1^3 2^6</p>
<p>5.</p> $(5^4)^8$ <p>5^{12} 5^{32} 5^2 5^{-4}</p>	<p>6.</p> $(9^2)^6$ <p>9^{12} 9^{-3} 9^8 9^{-4}</p>



Algebra 1 Quick Check – Form E

Readiness Standard 4 - 8.EE.1

Name _____ Date _____

Learning Target: I will find equivalent numerical expressions using properties of integer exponents.

Directions: Circle the equivalent expression for each problem. (Work time: 3 minutes)

<p>1.</p> $5^6 \times 5^4$ <p>5^{10} 5^{24} 25^{10} 10^{24}</p>	<p>2.</p> $4^3 \times 4^7$ <p>16^{10} 8^{21} 4^{10} 4^{21}</p>
<p>3.</p> $\frac{2^8}{2^4}$ <p>2^{-4} 2^4 1^2 1^4</p>	<p>4.</p> $\frac{8^3}{8^9}$ <p>1^6 1^{-3} 8^6 8^{-6}</p>
<p>5.</p> $(5^6)^2$ <p>5^8 5^4 5^{12} 5^3</p>	<p>6.</p> $(3^4)^8$ <p>3^4 3^{32} 3^{12} 3^2</p>



Algebra 1 Quick Check – Form F

Readiness Standard 4 - 8.EE.1

Name _____ Date _____

Learning Target: I will find equivalent numerical expressions using properties of integer exponents.

Directions: Circle the equivalent expression for each problem. (Work time: 3 minutes)

<p>1.</p> $3^4 \times 3^2$ <p>3^8 3^6 6^8 9^6</p>	<p>2.</p> $7^3 \times 7^6$ <p>14^{18} 49^9 7^{18} 7^9</p>
<p>3.</p> $\frac{4^2}{4^6}$ <p>1^{-4} 4^4 1^{-3} 4^{-4}</p>	<p>4.</p> $\frac{9^8}{9^4}$ <p>9^4 9^{-4} 1^2 1^{-4}</p>
<p>5.</p> $(6^4)^2$ <p>6^6 6^8 6^2 6^{-2}</p>	<p>6.</p> $(2^3)^6$ <p>2^3 2^2 2^9 2^{18}</p>



Algebra 1 Quick Check – Form G

Readiness Standard 4 - 8.EE.1

Name _____ Date _____

Learning Target: I will find equivalent numerical expressions using properties of integer exponents.

Directions: Circle the equivalent expression for each problem. (Work time: 3 minutes)

<p>1.</p> $6^3 \times 6^5$ <p>6^8 12^{10} 36^7 6^{10}</p>	<p>2.</p> $2^7 \times 2^4$ <p>2^{21} 4^{10} 4^{21} 2^{11}</p>
<p>3.</p> $\frac{5^{12}}{5^4}$ <p>5^{-8} 5^8 1^3 5^{-3}</p>	<p>4.</p> $\frac{4^5}{4^{12}}$ <p>4^{10} 1^{-3} 4^{-7} 4^{-10}</p>
<p>5.</p> $(8^2)^{10}$ <p>8^{-8} 8^{12} 8^{20} 8^5</p>	<p>6.</p> $(6^5)^3$ <p>6^6 6^3 6^{15} 6^{27}</p>



Algebra 1 Quick Check – Form H

Readiness Standard 4 - 8.EE.1

Name _____ Date _____

Learning Target: I will find equivalent numerical expressions using properties of integer exponents.

Directions: Circle the equivalent expression for each problem. (Work time: 3 minutes)

<p>1.</p> $4^5 \times 4^3$ <p>4^{15} 4^8 8^{15} 16^8</p>	<p>2.</p> $9^4 \times 9^6$ <p>81^{10} 9^{24} 18^{24} 9^{10}</p>
<p>3.</p> $\frac{7^2}{7^{10}}$ <p>7^{12} 7^{-8} 7^{-5} 1^{-8}</p>	<p>4.</p> $\frac{2^9}{2^3}$ <p>2^{12} 2^3 1^3 2^6</p>
<p>5.</p> $(5^4)^8$ <p>5^{12} 5^{32} 5^2 5^{-4}</p>	<p>6.</p> $(9^2)^6$ <p>9^{12} 9^{-3} 9^8 9^{-4}</p>