Grade 6 Unit 4 Week 5

Parents: Please help your child choose the most appropriate assignment(s) to complete each day. When the day's assignment is done, students finish the two reflection statements on this page.

Please note Extra Practice activities are on-level for the grade level. Re-Engage activities give students additional support.

Special Education students should use the Re-Engage lessons as shown in the weekly plans.

	Monday	Tuesday	Wednesday	Thursday	Friday
Topic	Generate equivalent expressions.	Write and evaluate expressions involving exponents.	Evaluate expressions using order of operations.	Evaluate expressions with variables.	Apply my understanding of exponents to solve problems.
Assignment	Unit 4 Lesson 8 Re-Engage Extra Practice	Unit 4 Lessons 9-10 Re-Engage Extra Practice	Unit 4 Lessons 11-12 Re-Engage Extra Practice	Unit 4 Lesson 14 Re-Engage Extra Practice	Unit 4 Lesson 13 Homework
Video link	Unit 4 Lesson 8 English Spanish **Student Support Video**	Lesson 9: English Spanish Lesson 10: English Spanish **Student Support Video**	Lesson 11: English Spanish Lesson 12: English Spanish **Student Support Video**	Unit 4 Lesson 14 English Spanish **Student Support Video**	(no video for Math Tasks)
Fluency Practice	Division A Dividends within 100 (70 items)	Division B Dividends within 100 (70 items)	Mixed Multiplication & Division	Division A Dividends within 100 (70 items)	Division B Dividends within 100 (70 items)
Reflection	One thing I was successful with is… One thing I need more help with is…	One thing I was successful with is… One thing I need more help with is…	One thing I was successful with is… One thing I need more help with is…	One thing I was successful with is… One thing I need more help with is…	One thing I was successful with is… One thing I need more help with is…

Find this packet on swunmath.com. Click on the hyperlinks to jump to the lesson videos.

Re-Engage

Unit 4 Lesson 8: Equivalent Expressions

Name: _____

Date: _____

Model

Write equivalent expressions.

$n + n + n$

$3n$

$2n + 8 + n + 6$

$3n + 14$

$4(n + 6)$

$4n + 24$

$n + 6 + 3n + n + 8$

$5n + 14$

Structured Guided Practice

Directions: Write equivalent expressions.

1. $y + y$

_____

2. $7(y + 8)$

_____ + _____

3. $3y + 7 + 8 + 2y$

_____ + _____

4. $y + 2 + 3y + y + 4$

_____ + _____

Student Practice

Directions: Write equivalent expressions.

1. $b + b + b + b$

_____

2. $3(m + 9)$

_____ + _____

3. $2n + 9 + n + 7$

_____ + _____

4. $m + 3m + 2 + m + 8 + 4$

_____ + _____

5. $9(y + 6)$

_____ + _____

6. $8 + 4w + 7 + w + 2w$

_____ + _____

Extra Practice

Unit 4 Lesson 8: Equivalent Expressions

Name: _____

Date: _____

Directions: Write an equivalent expression.

1. $x + x + x + x + x$

2. $7y + 23 + y$

3. $9(h + 7)$

4. $12 + 5y + y + 54 + y$

Extra Practice

Unit 4 Lesson 8: Equivalent Expressions

Directions: Write an equivalent expression.

5. $8(x+12)$

6. $7+5w+w+9+11w$

7. $n+2n+14+5n$

8. $12(x+15)$

Re-Engage
Unit 4 Lessons 9-10: Exponents

Name: _____

Date: _____

Model

Write the exponent in expanded form and standard form.

2^3 ← Exponent

Base → 2

Expanded Form

- Multiply the base by itself as many times as indicated by the exponent.

$2^3 \longrightarrow \boxed{2 \cdot 2 \cdot 2}$

Standard Form

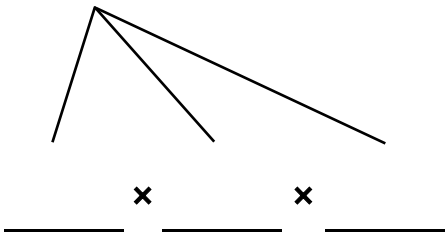
- The total value of the base and exponent

$2^3 \longrightarrow 2 \cdot 2 \cdot 2 = \boxed{8}$

Structured Guided Practice

Directions: Write the exponent in expanded form or standard form.

1. 3^3 Expanded Form

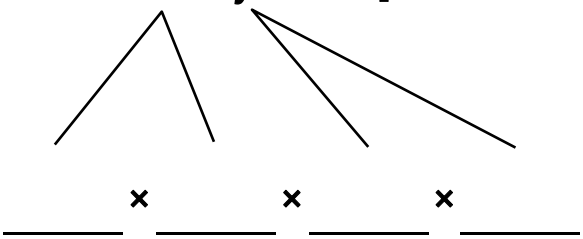


_____ × _____ × _____

2. 3^3 Standard Form

_____

3. $4^2 \times y^2$ Expanded Form



_____ × _____ × _____ × _____

4. $4^2 \times y^2$ Standard Form

_____

Student Practice

Directions: Write the exponent in expanded form or standard form.

1. 5^2 Expanded Form ____ × ____	2. 5^2 Standard Form _____
3. $3^2 \times n^2$ Expanded Form ____ × ____ × ____ × ____	4. $3^2 \times n^2$ Standard Form _____
5. $4^3 \times n^2$ Expanded Form ____ × ____ × ____ × ____ × ____	6. $4^3 \times n^2$ Standard Form _____

Extra Practice

Unit 4 Lessons 9-10: Exponents

Name: _____

Date: _____

Directions: Write the number in expanded and standard forms.

1. 5 squared

2. 4 cubed

3. $10^3 \times x^4$

4. 2^5

Extra Practice

Unit 4 Lessons 9-10: Exponents

Directions: Write the number in expanded and standard forms.

5. $n^4 \times 6^3$

6. $9^2 \times x^3$

7. $3^3 \times y^2$

8. 6^3

Re-Engage

Unit 4 Lessons 11-12: Evaluate Expressions Using the Order of Operations

Name: _____

Date: _____

Model

Evaluate the expression $6 \div 3 + 2^2 (6 \times 3)$

- Evaluate what is in the parentheses first → $6 \div 3 + 2^2 (18)$
- Evaluate exponents next → $6 \div 3 + 4 (18)$
- Evaluate multiplication and division from left to right → $2 + 72$
- Evaluate addition and subtraction from left to right → $\boxed{74}$

Structured Guided Practice

Directions: Evaluate the expression.

1. $(9 + 7) \div 2$	2. $(10 - 7) - (68 \div 68)$
3. $4 \times 3 + 2 (10 + 8)$	4. $2^3 + 10 \div 5$

Re-Engage

Unit 4 Lessons 11-12: Evaluate Expressions Using the Order of Operations

Student Practice

Directions: Evaluate the expression.

1. $18 + (10 - 7) \div 3$	2. $(6 \times 8) - (4 \times 3)$
3. $3^2 + (81 \div 9) - 18$	4. $8 + 6\,(4 - 2)$
5. $6 \times 9 + (10 - 9) - 5$	6. $(6 - 3) + 5^2 \div 5$

Extra Practice

Unit 4 Lessons 11-12: Evaluate Expressions Using the Order of Operations

Name: _____

Date: _____

Directions: Evaluate each problem using the order of operations.

1. $(9 - 2) \cdot 5^2$

2. $2^3 + 2 \cdot (7 - 1)^2$

3. $5^2 \div (4 + 1)$

4. $(6^2 - 10) + 2(4)$

Extra Practice

Unit 4 Lessons 11-12: Evaluate Expressions Using the Order of Operations

Directions: Evaluate each problem using the order of operations.

5. $(7 + 2^3) \cdot 3^2$

6. $6 + 9 \cdot 3 + (8 - 4)^2$

7. $2^3 + 5 \cdot (5 + 5)^2$

8. $(8 + 4) + (3^2 \times 5)$

Re-Engage

Unit 4 Lesson 14: Evaluate Expressions with Variables

Name: _____

Date: _____

Model

Evaluate each expression.

1. $a + 14$ if $a = 5$	$5 + 14$ ⌄ $\boxed{19}$	2. $8d$ if $d = 9$	$8\,(9)$ ⌄ $\boxed{72}$
3. $\frac{b}{4}$ if $b = 36$	$\frac{36}{4} = \boxed{9}$	4. $3\,(y + 4)$ if $y = 4$	$3\,(4 + 4)$ ⌄ $3\,(8)$ ⌄ $\boxed{24}$

Structured Guided Practice

Directions: Evaluate each expression.

1. $17 + b$, if $b = 8$	2. $7n$, if $n = 8$
3. $\frac{m}{9}$, if $m = 72$	4. $2x + 8$, if $x = 9$

Re-Engage

Unit 4 Lesson 14: Evaluate Expressions with Variables

Student Practice

Directions: Evaluate each expression.

1. 58 - r, if r = 2	2. b + 62, if b = 18
3. 7x, if x = 9	4. $\frac{p}{7}$, if p = 56
5. 3b - 8, if b = 9	6. 8e + 4, if e = 8

Extra Practice

Unit 4 Lessons 14-15: Evaluate Expressions Generated from Word Problems

Name: _____

Date: _____

Directions: Evaluate the expression.

1. The expression $2l + 2w$ can be used to find the perimeter of a rectangle where l represents length and w represents width. Use the expression to find the perimeter of a rectangular garden that has a length of 10 ft. and a width of 6 ft.

2. The expression $4s$ can be used to find the perimeter of a square where s represents side length. Use the expression to find the perimeter of a square herb garden with side lengths of 6 yards.

3. The expression $r \cdot t$ can be used to find the distance where r represents rate and t represents time. Use the expression to find the distance traveled by someone who drove at a rate of 55 miles/hour for 7 hours.

4. The expression $l \cdot w \cdot h$ can be used to find the volume of a rectangular prism where l represents length, w represents width, and h represents height. Use the expression to find the volume of an object that has a length of 9 yd, a width of 4 yd, and a height of 2 yd.

Extra Practice

Unit 4 Lessons 14-15: Evaluate Expressions Generated from Word Problems

Directions: Evaluate the expression.

5. The expression $t + 0.08t$ can be used to find the total cost of an item with 8% sales tax. Use the expression to find the total price of a toy that costs $25.

6. The expression $^1/_2\ b \cdot h$ can be used to find the area of a triangle where b represents the base and h represents the height. Use the expression to find the area of a triangle with a base of 12 cm and a height of 22cm.

7. The expression $c + 0.04c$ can be used to find the total cost of an item with 4% sales tax. Use the expression to find the total price of a jacket that costs $83.

8. The expression $2l + 2w$ can be used to find the perimeter of a rectangle where l represents length and w represents width. Use the expression to find the perimeter of a rectangular lawn that has a length of 43 ft and a width of 24 ft.

Homework

Unit 4 Lesson 13: Exponents

Name: _____

Date: _____

Directions: Read and solve each problem.

1. Is this statement true or false? Explain why.

$2^3 = 3^2$

2. Fill in the correct digits to make this expanded form correct.

$4^4 = 4 \times \square \times 4 \times \square$

3. Which of the following, when written in standard form, is equal to the standard form of 4^3 ?

A. 6^2
B. 3^4
C. 2^4
D. 8^2

4. Fill in the correct number to make each sentence true.

$3^4 = \square$

$5^{\square} = 125$

$\square = 2^5$

$4^{\square} = 16$

Division A
Dividends within 100
(70 items)

Name_____ **Date**_____

$6\overline{)36}$	$9\overline{)54}$	$8\overline{)72}$	$5\overline{)35}$	$7\overline{)35}$	$7\overline{)7}$	$2\overline{)10}$	$9\overline{)81}$	$5\overline{)25}$	$6\overline{)36}$
$4\overline{)20}$	$2\overline{)6}$	$4\overline{)8}$	$2\overline{)2}$	$5\overline{)45}$	$6\overline{)42}$	$7\overline{)28}$	$9\overline{)63}$	$6\overline{)48}$	$6\overline{)12}$
$5\overline{)10}$	$9\overline{)18}$	$2\overline{)8}$	$8\overline{)64}$	$2\overline{)12}$	$3\overline{)12}$	$6\overline{)54}$	$9\overline{)72}$	$2\overline{)16}$	$7\overline{)49}$
$8\overline{)8}$	$7\overline{)21}$	$3\overline{)27}$	$6\overline{)18}$	$1\overline{)8}$	$2\overline{)6}$	$4\overline{)24}$	$5\overline{)15}$	$2\overline{)14}$	$9\overline{)9}$
$3\overline{)24}$	$4\overline{)32}$	$6\overline{)6}$	$9\overline{)45}$	$6\overline{)30}$	$8\overline{)32}$	$7\overline{)14}$	$4\overline{)36}$	$7\overline{)63}$	$4\overline{)12}$
$5\overline{)20}$	$8\overline{)24}$	$4\overline{)16}$	$3\overline{)18}$	$5\overline{)40}$	$2\overline{)18}$	$8\overline{)16}$	$7\overline{)42}$	$3\overline{)12}$	$8\overline{)48}$
$6\overline{)42}$	$5\overline{)45}$	$2\overline{)2}$	$4\overline{)8}$	$2\overline{)6}$	$4\overline{)20}$	$6\overline{)12}$	$6\overline{)48}$	$9\overline{)63}$	$7\overline{)28}$

Division B
Dividends within 100
(70 items)

Name_____ **Date**_____

$3\overline{)24}$	$4\overline{)32}$	$6\overline{)6}$	$9\overline{)45}$	$6\overline{)30}$	$8\overline{)32}$	$7\overline{)14}$	$4\overline{)36}$	$7\overline{)63}$	$4\overline{)12}$
$8\overline{)8}$	$7\overline{)21}$	$3\overline{)27}$	$6\overline{)18}$	$1\overline{)8}$	$2\overline{)6}$	$4\overline{)24}$	$5\overline{)15}$	$2\overline{)14}$	$9\overline{)9}$
$5\overline{)20}$	$8\overline{)24}$	$4\overline{)16}$	$3\overline{)18}$	$5\overline{)40}$	$2\overline{)18}$	$8\overline{)16}$	$7\overline{)42}$	$3\overline{)12}$	$8\overline{)48}$
$6\overline{)42}$	$5\overline{)45}$	$2\overline{)2}$	$4\overline{)8}$	$2\overline{)6}$	$4\overline{)20}$	$6\overline{)12}$	$6\overline{)48}$	$9\overline{)63}$	$7\overline{)28}$
$6\overline{)36}$	$9\overline{)54}$	$8\overline{)72}$	$5\overline{)35}$	$7\overline{)35}$	$7\overline{)7}$	$2\overline{)10}$	$9\overline{)81}$	$5\overline{)25}$	$6\overline{)36}$
$4\overline{)20}$	$2\overline{)6}$	$4\overline{)8}$	$2\overline{)2}$	$5\overline{)45}$	$6\overline{)42}$	$7\overline{)28}$	$9\overline{)63}$	$6\overline{)48}$	$6\overline{)12}$
$5\overline{)10}$	$9\overline{)18}$	$2\overline{)8}$	$8\overline{)64}$	$2\overline{)12}$	$3\overline{)12}$	$6\overline{)54}$	$9\overline{)72}$	$2\overline{)16}$	$7\overline{)49}$

Name_____ **Date**_____

Multiplication & Division Fluency Check (9s and below)

Directions: Solve. Find products and quotients from memory or apply strategies.

$5 \times 5 =$ _____	$45 \div 9 =$ _____	$9 \times 1 =$ _____
$36 \div 4 =$ _____	$3 \times 9 =$ _____	$5 \div 1 =$ _____
$4 \times 3 =$ _____	$8 \times 2 =$ _____	$72 \div 9 =$ _____
$8 \div 4 =$ _____	$48 \div 8 =$ _____	$9 \times 3 =$ _____
$36 \div 9 =$ _____	$6 \times 5 =$ _____	$6 \times 2 =$ _____
$3 \times 3 =$ _____	$42 \div 7 =$ _____	$72 \div 8 =$ _____
$2 \times 7 =$ _____	$5 \times 4 =$ _____	$9 \div 9 =$ _____
$45 \div 5 =$ _____	$3 \times 7 =$ _____	$54 \div 6 =$ _____
$56 \div 7 =$ _____	$9 \times 2 =$ _____	$7 \times 8 =$ _____
$8 \times 8 =$ _____	$49 \div 7 =$ _____	$18 \div 9 =$ _____
$36 \div 6 =$ _____	$7 \times 9 =$ _____	$20 \div 5 =$ _____
$6 \div 3 =$ _____	$9 \times 9 =$ _____	$4 \div 4 =$ _____
$9 \times 7 =$ _____	$24 \div 3 =$ _____	$2 \times 5 =$ _____
$54 \div 9 =$ _____		

Division A
Dividends within 100
(70 items)

Name_____ **Date**_____

$6\overline{)36}$	$9\overline{)54}$	$8\overline{)72}$	$5\overline{)35}$	$7\overline{)35}$	$7\overline{)7}$	$2\overline{)10}$	$9\overline{)81}$	$5\overline{)25}$	$6\overline{)36}$
$4\overline{)20}$	$2\overline{)6}$	$4\overline{)8}$	$2\overline{)2}$	$5\overline{)45}$	$6\overline{)42}$	$7\overline{)28}$	$9\overline{)63}$	$6\overline{)48}$	$6\overline{)12}$
$5\overline{)10}$	$9\overline{)18}$	$2\overline{)8}$	$8\overline{)64}$	$2\overline{)12}$	$3\overline{)12}$	$6\overline{)54}$	$9\overline{)72}$	$2\overline{)16}$	$7\overline{)49}$
$8\overline{)8}$	$7\overline{)21}$	$3\overline{)27}$	$6\overline{)18}$	$1\overline{)8}$	$2\overline{)6}$	$4\overline{)24}$	$5\overline{)15}$	$2\overline{)14}$	$9\overline{)9}$
$3\overline{)24}$	$4\overline{)32}$	$6\overline{)6}$	$9\overline{)45}$	$6\overline{)30}$	$8\overline{)32}$	$7\overline{)14}$	$4\overline{)36}$	$7\overline{)63}$	$4\overline{)12}$
$5\overline{)20}$	$8\overline{)24}$	$4\overline{)16}$	$3\overline{)18}$	$5\overline{)40}$	$2\overline{)18}$	$8\overline{)16}$	$7\overline{)42}$	$3\overline{)12}$	$8\overline{)48}$
$6\overline{)42}$	$5\overline{)45}$	$2\overline{)2}$	$4\overline{)8}$	$2\overline{)6}$	$4\overline{)20}$	$6\overline{)12}$	$6\overline{)48}$	$9\overline{)63}$	$7\overline{)28}$

Division B
Dividends within 100
(70 items)

Name_____ **Date**_____

$3\overline{)24}$	$4\overline{)32}$	$6\overline{)6}$	$9\overline{)45}$	$6\overline{)30}$	$8\overline{)32}$	$7\overline{)14}$	$4\overline{)36}$	$7\overline{)63}$	$4\overline{)12}$
$8\overline{)8}$	$7\overline{)21}$	$3\overline{)27}$	$6\overline{)18}$	$1\overline{)8}$	$2\overline{)6}$	$4\overline{)24}$	$5\overline{)15}$	$2\overline{)14}$	$9\overline{)9}$
$5\overline{)20}$	$8\overline{)24}$	$4\overline{)16}$	$3\overline{)18}$	$5\overline{)40}$	$2\overline{)18}$	$8\overline{)16}$	$7\overline{)42}$	$3\overline{)12}$	$8\overline{)48}$
$6\overline{)42}$	$5\overline{)45}$	$2\overline{)2}$	$4\overline{)8}$	$2\overline{)6}$	$4\overline{)20}$	$6\overline{)12}$	$6\overline{)48}$	$9\overline{)63}$	$7\overline{)28}$
$6\overline{)36}$	$9\overline{)54}$	$8\overline{)72}$	$5\overline{)35}$	$7\overline{)35}$	$7\overline{)7}$	$2\overline{)10}$	$9\overline{)81}$	$5\overline{)25}$	$6\overline{)36}$
$4\overline{)20}$	$2\overline{)6}$	$4\overline{)8}$	$2\overline{)2}$	$5\overline{)45}$	$6\overline{)42}$	$7\overline{)28}$	$9\overline{)63}$	$6\overline{)48}$	$6\overline{)12}$
$5\overline{)10}$	$9\overline{)18}$	$2\overline{)8}$	$8\overline{)64}$	$2\overline{)12}$	$3\overline{)12}$	$6\overline{)54}$	$9\overline{)72}$	$2\overline{)16}$	$7\overline{)49}$