6th grade
Order of Operations #1

Name: Key

Date: _____ Per: _____

Evaluate the following expressions. Show all of the necessary steps that we went over in class and circle your answer.

1. $15 \cdot 3 + 12 \cdot 2$

$45 + 24$

$\boxed{69}$

2. $3 \cdot 5 - 45 \div 3^2$

$15 - 45 \div 9$

$15 - 5$

$\boxed{10}$

3. $(16 \div 4) + 4(2^2 - 2)$

$4 + 4(4-2)$

$4 + 4(2)$

$4 + 8$

$\boxed{12}$

4. $100 - 9^2 + 2$

$100 - 81 + 2$

$19 + 2$

$\boxed{21}$

5. $100 \div 5 \cdot 2^2$

$100 \div 5 \cdot 4$

$20 \cdot 4$

$\boxed{80}$

6. $15 - 3 \cdot 4 \div 2 + 5$

$15 - 12 \div 2 + 5$

$15 - 6 + 5$

$9 + 5$

$\boxed{14}$

7. $75 + 12 \cdot 2$

$75 + 24$

$\boxed{99}$

8. $8(7 - 6) \div 2^3$

$8(1) \div 8$

$8 \div 8$

$\boxed{1}$

9. $(9+8)+10(3+2)$

10. $100-25\div5$

$100-5$

$\boxed{95}$

Evaluate the following expressions. Show your substitution and ALL steps.
x=2, y=5, a=3, and c=10

11. $3x^2+c$

$3\cdot2^2+10$

$3\cdot4+10$

$12+10$

$\boxed{22}$

12. $4a-c\div2$

$4\cdot3-10\div2$

$12-5$

$\boxed{7}$

13. $\frac{2x+y}{a}$

$\frac{2(2)+5}{3}$

$\frac{4+5}{3}$

$\frac{9}{3}$ $\boxed{3}$

14. $\frac{1}{2}c+(x+y)$

$\frac{1}{2}(10)+(2+5)$

$5+7$

$\boxed{12}$

15. $3.2x+a^3$

$3.2(2)+3^3$

$6.4+27$

$\boxed{33.4}$

16. $\frac{c^2-5y+a}{x}$

$\frac{10^2-5(5)+3}{2}$

$\frac{100-25+3}{2}$

$\frac{75+3}{2}$

$\frac{78}{2}$ $\boxed{39}$

6th Grade Honors

Name: Key

Skills Review

Date: _____ Pd: ____

Show all work and circle your answer.

1. $3\frac{3}{4}+2\frac{5}{6}$

$3\frac{9}{12}+2\frac{10}{12}$

$5\frac{19}{12}$

$6\frac{7}{12}$ ✓

2. $5\frac{1}{2}-1\frac{2}{3}$

$5\frac{3}{6}-1\frac{4}{6}$

$3\frac{5}{6}$ ✓

3. $78.3+2.58$

78.30
$+\ 2.58$

80.88 ✓

4. $48-0.39$

48.00
$-\ .39$

47.61 ✓

5. $2\frac{1}{3}\times4\frac{1}{5}$

$\frac{7}{3}\cdot\frac{21}{5}$

$\frac{49}{5}$

$9\frac{4}{5}$ ✓

6. $4\div\frac{2}{5}$

$\frac{4}{1}\cdot\frac{5}{2}$

10 ✓

7. 1.25×4.5

5.625

1.25
$\times 4.5$
625
$+5000$
5625 ✓

8. $2.25\div1.8$

1.25 ✓

$1.8\overline{)2.25}$

1.25
$18\overline{)22.50}$
-18
45
-36
90

9. $12\frac{2}{7}-5\frac{7}{9}$

$11\frac{18}{63}-5\frac{49}{63}$

$6\frac{32}{63}$ ✓

10. $6\frac{3}{10}\div2\frac{2}{5}$

$\frac{63}{10}\div\frac{12}{5}$

$\frac{63}{10}\cdot\frac{5}{12}$ ✓

$\frac{21}{8}$ $2\frac{5}{8}$

6th Grade Fast Math
Order of Operations
Warm-up Quiz #1

Name: Key

Date: _____ Per: _____

Simplify each expression. Show all steps and circle your final answer.

1. $8-14\div(9-2)$

$8-14\div7$

$8-2$

$\boxed{6}$

2. $54-6\cdot3+4^2$

$54-18+16$

$36+16$

$\boxed{52}$

3. $4-24\div2^3$

$4-24\div8$

$4-3$

$\boxed{1}$

4. $4(3+2)^2-9$

$4(5)^2-9$

$4(25)-9$

$100-9$

$\boxed{91}$

6th Grade Honors Math
Order of Operations
Warm-up Quiz #2

Name: Key

Date: _____ Per: _____

Simplify each expression. Show all steps and circle your final answer.

1. $25+5-(6^2-7)$

$25+5-(36-7)$

$25+5-(29)$

$30-29$

$\boxed{1}$

2. $(5-3)^2 \div (3^2-7)$

$(2)^2 \div (9-7)$

$4 \div 2$

$\boxed{2}$

3. $2+3(8.75-6.5)$

$2+3(2.25)$

$2+6.75$

$\boxed{8.75}$

4. $2\frac{1}{2}+\frac{3}{5}\times 4\frac{1}{6}$

$2\frac{1}{2}+\frac{3}{5}\cdot\frac{25}{6}$

$2\frac{1}{2}+2\frac{1}{2}$

$\boxed{5}$