Name _____

Dividing Decimals

1. 2.87 ÷ 0.01 = _____ **2.** 78.32 ÷ 0.22 = _____

For each item, find
how many times greater
the 2002 cost is than
the 1960 cost. Round
your answer to the
nearest hundredth.

Item	1960 Cost	2002 Cost
Movie admission	$0.75	$8.50
Regular popcorn	$0.25	$3.25
Regular drink	$0.35	$2.75

3. movie admission **4.** regular popcorn **5.** regular
drink

_____   _____   _____

6. **Writing to Explain**   Lynn and Randi got different
quotients when they divided 3.60 by 0.12.
Whose work is correct? Explain why.

Lynn   Randi

$$\frac{0.30}{12\overline{)3.60}}$$ $$\frac{30.0}{12\overline{)360.}}$$

_____

_____

**Addition, Subtraction and Multiplication of
decimals**

1. 9.834 − 1.26 _____ **2.** 24 + 7.45_____

3. 7 × 0.5 _____ **4.** 12 × 0.08 _____ **5.** 24 × 0.17 _____

6. 0.4 × 0.17 _____ **7.** 1.9 × 0.46 _____ **8.** 3.42 × 5.15 _____

Evaluating Expressions

1. $6^2 - (3.1 \times 5 + 2.3)$

2. $[(8 - 3.7) \times 6] + 1.5$

3. $9^2 - [(4.2 \times 3.4) - 9.28]$

_____

4. $3.2^2 - [(12.6 - 2^2) \times 0.6]$

5. $[(0.3 \times 8) + (1.5 \times 3)] + 6^2$

_____

6. $40 \div [9.6 - (8 \times 0.2)]$

7. $3^3 + 4.2 \times 8 \div 0.2$

_____

8. $8.8 + [(0.4 \times 7) + (3.1 \times 2)]$

9. $7^2 - [(6^2 - 22.4) + (8 \div 0.5)] + 3.8$

_____

10. $9 + [(4.2 - 3.3) + (6.4 \div 0.8)] \times 3$

11. $41 - 3^2 + (8 \times 2.3) - 15 + (2.1 \times 4)$

_____

12. $13 + 26 - [(2.8 \times 5) \div 7]$

13. $16 + 23 - [(5 + 2) \times 1.9] - 13 + 6.8$

_____

PEMDAS Rules
Evaluate the problem in the following order:
1) P - Parentheses

2) E - Exponents (Powers and Square Roots)

3) MD - Multiplication and Division (Left to Right)

4) AS - Addition and Subtraction (Left to Right)

1 . (16 + 3) + 24 ÷ 4	
2 . (15 +21) ÷ (1 + 3)	
3 . 10 x 9 x (8 + 9)	
4 . (9 +43 - 2) ÷ 25	
5 . (13 +47) ÷ (37 - 7)	
6 . (14 +51 - 5) ÷ 30	
7 . 7 x 10 x (4 - 7)	
8 . (11 - 2) + 20 ÷ 4	
9 . (15 - 7) x 10 + 3	
10 . (15 + 2) x 9 – 3	