Name: _____ **Homework #2** Score = _____/20

Directions: Each day Thursday through Wednesday (not including weekends), there are 1-4 questions to complete for homework. You may complete the work in the space provided. If you choose to work on a separate sheet of paper, record your answer in the appropriate box, and staple your separate sheet of paper to this one. ***To earn full credit, you must show some work when solving equations.***

**IMPORTANT: Go to this link and insert your answers

Thursday	This equation can be used to find b, the number of dollars Mrs. Colton earned as a sales bonus last week. $b = 429 - (39 \times 9)$ What was the amount of Mrs. Colton's bonus? **A** $20 **B** $78 **C** $158 **D** $138	Pedro ordered 24 boxes of baseballs. Each box contained 16 baseballs. Pedro used 8 of these baseballs during a game. Which equation can be used to find b, the total number of these baseballs that Pedro did not use during the game? **A** $b = (24 + 16) - 8$ **B** $b = (24 \times 16) - 8$ **C** $b = (24 - 16) \div 8$ **D** $b = (24 \times 16) + 8$	Jacob wrote the expression shown. $10 \div 5 + 4(72 - 6)$ What do these parentheses indicate in the expression? **F** Divide 10 by 5 before adding 4 **G** Multiply 4 by 72 before subtracting 6 **H** Add 5 and 4 together before subtracting 6 from 72 **J** Subtract 6 from 72 before multiplying by 4	An expression is given. $3 \times (8 + 2) \div 2$ Which statement is true about the parentheses in this expression? **A** The parentheses indicate that 8+2 should be solved first. **B** The parentheses indicate that 8+2 should be solved last. **C** The parentheses indicate that $2 \div 2$ should be solved last. **D** The parentheses indicate that 3×8 should be solved first.
Friday	What is the value of this expression? $10[3 + (7 + 5) \div 3]$ **A** 14 **B** 34 **C** 50 **D** 70	Which expression has a value of 25 ? **A** $2(32 + 18) \div 4$ **B** $(10 \times 10) \div (2 \div 2)$ **C** $(50 \times 10) \div 5$ **D** $(10 + 10) \div 4$	Margaret opened a new case of lightbulbs. • The case contained 3 boxes of lightbulbs with 8 lightbulbs in each box. • Margaret threw 2 of these lightbulbs in the trash because they were damaged. • Then she took 7 of the lightbulbs out of the case. Which expression can be used to show that there are 15 lightbulbs still in the case? **F** $3 \times 8 - 2 + 7$ **G** $3(8) - 2(7)$ **H** $3 \times 8 - (2 + 7)$ **J** $3 + 8 - 2 + 7$	What is the value of this expression? $[45 - (6 + 3)] \times 27$ **A** 1,134 **B** 972 **C** 198 **D** 1,206

Monday

What is the value of this expression?

$[36 + (3 \times 2)] \div 6$

A 7

B 37

C 13

D 42

The mass in kilograms of an ice chest is shown in expanded notation.

(1 x 10) + (3 x 1) + (6 x 0.1) + (1 x 0.01)

What is this mass in kilograms, written as a numeral?

A temperature in degrees Fahrenheit is shown in expanded notation.

(9 x 10) + (4 x 0.1)

How is this temperature in degrees Fahrenheit written as a numeral?

The table shows the times it took four runners to finish a race.

Race Times

Runner	Time (minutes)
W	20.3
X	19.795
Y	20.35
Z	19.8

Which comparison of these times is NOT correct?

A $20.3 < 20.35$

B $19.795 > 19.8$

C $19.8 < 20.3$

D $20.35 > 19.795$

Tuesday

A bank received a check for two thousand, six hundred nine dollars and seventy-five cents. How is this number written in expanded notation?

A $(2 \times 1{,}000) + (6 \times 100) + (9 \times 10) + (7 \times 0.01) + (5 \times 0.01)$

B $(2 \times 1{,}000) + (6 \times 100) + (9 \times 1) + (7 \times 0.1) + (5 \times 0.01)$

C $(2 \times 1{,}000) + (6 \times 10) + (9 \times 1) + (7 \times 1) + (5 \times 1)$

D $(2 \times 1{,}000) + (6 \times 100) + (9 \times 1) + (7 \times 0.01) + (5 \times 0.001)$

Two numbers are shown. A number in between is missing.

6.027 ☐ 6.009

Which number can be placed in the box to show the numbers in order from greatest to least?

A 6.25

B 6.02

C 6.005

D 6.028

Which inequality is NOT true?

A $65.7 < 67.54$

B $4.003 > 4.03$

C $26.4 < 26.48$

D $0.91 > 0.097$

Wednesday

Four students are traveling to a math contest. The table shows the weights of the four students' suitcases.

Weights of Suitcases

Student	Weight of Suitcase (pounds)
Juan	21.605
Tiana	24.8
Kimberly	21.48
Emanuel	24.75

In what position would Juan's suitcase be if the weights of the suitcases in pounds were ordered from greatest to least?

F First

G Second

H Third

J Fourth

Which comparison is NOT true?

F $3.375 > 3.275$

G $6.875 < 6.9$

H $2.65 > 2.675$

J $7.675 < 7.75$

Elias has three containers of cooking oil. The table shows the volume of cooking oil in each container.

Elias's Cooking Oil

Container	Volume (L)
X	0.946
Y	0.502
Z	1.42

Which list shows the containers in order from least to greatest volume in liters?

F Container X, Container Y, Container Z

G Container Y, Container X, Container Z

H Container Z, Container Y, Container X

J Container Z, Container X, Container Y