Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Teacher\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period #\_\_\_\_\_

**Homework**

**Multiplication, Division, and Order of Operations**

**Due on Friday, September 22nd**

**Solve the following:**

1,538 ÷ 13 497 ÷ 22 5,262 ÷ 18

247 x 19 7, 229 x 32 896 x 42

**Read the following questions and select the best answer choice. Show your work.**

Mr. Marquez has 243 eggs in the refrigerator at his restaurant. He just received a delivery of 32 more cartons of eggs. If each carton contains 18 eggs, how many eggs are in the refrigerator now?

A) 293

B) 819

C) 576

D) 261

Kevin payed 1,512 dollars for three years of golf lessons. How much did Ian pay for lessons each month?

A) 36

B) 63

C) 42

D) 126

Six months ago, there were 427 customers at a food truck park in Austin. Today, it was reported that there were 1, 873 customers at the same park. On average, how many new customers showed up each month.

A) 1,446

B) 18

C) 241

D) 2,562

**Use the order of operations to simplify the following expressions. Circle your answer.**

60 – 7 x (2 + 2) 13 + 4 x 2 – 7 144 ÷ (2 x 3 + 6)

What is the value of this expression? What is the value of this expression?

[36 + (3 x 2)] ÷ 6 90 – 2(60 ÷ 10) - 4

A) 7 A) 74

B) 37 B) 86

C) 13 C) 524

D) 42 D) 78

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?

A) 3 x 8 – 2 + 7

B) 3(8) – 2(7)

C) 3 x 8 – (2 + 7)

D) 3 + 8 – 2 + 7

There is a total of 23 penguins in the San Antonio Zoo exhibit. On Fridays, two veterinarians each take a randomly selected group of 3 penguins out of the exhibit for checkups. This week, four of the remaining penguins are also leaving the exhibit to visit the local elementary schools. Which of the following expressions could be used to solve for p, the number of penguins that will be left in the exhibit on Friday.

A) 23 – 2 x 3 + 4 = p

B) 23 – (2 x 3 + 4) = p

C) 23 – (2 x 3 – 4) = p

D) 23 – 4 + (2 x 3) = p

Which answer choice best describes the third step in simplifying the following expression?

 16 + (36 – 21) ÷ 3 – 2

A) Divide 21 by 3

B) Divide 15 by 3

C) Subtract 21 from 36

D) Add 16 and 5