Team # _____

School: _____

Names and Grade

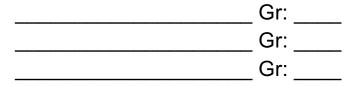_____ Gr: _____
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Question #1
2 minutes, 2 points

Problem 1   **2 points**   **2 minutes**

ADD:
- Number of square feet in 2 square yards
- Number of pints in 3 quarts
- Ounces in 2 pounds
- Number of feet in a mile

Answer:

Total is: _____

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Team # _____

Question #2
2 minutes, 2 points

Problem 2   **2 points**   **2 minutes**

A taxi charges $2.40 for the first mile,

then $0.70 for each additional 1/3 of a mile.

What is the cost of a 5 mile ride in this taxi?

Answer:

Cost = _____

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Question #3
1 minute, 1 point

Problem 3 **1 point** **1 minute**

Antonio drove 80 miles south then 60 miles east. **How far away from Antonio's starting position is he now?**
(Hint: The distance is "as the crow flies".)

Answers:

_____miles

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Team # _____

Question #4
2 minutes, 2 points

Problem 4   **2 points**   **2 minutes**

A telephone # has the form: ABC-DEF-GHIJ, where each letter represents a different digit. The digits in each part of the number are in decreasing order, that is, A > B > C, D > E > F, and G > H > I > J. Furthermore, D,E,F are consecutive even digits and G,H,I,J are consecutive odd digits. Also, A + B + C = 9. Find A.

Answer: _____

Team # _____

Team # _____

Question #5
1 minute, 1 point

Problem 5   **1 point**   **1 minute**

Mr. R.U. Fast purchased a Porsche 911 for $89,400.
It depreciates in value 10% per year.
What is Mr. Fast's car worth after 3 years?

Answer: _____

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Team # _____

Question #6
3 minutes, 3 points

Problem 6 **3 points** **3 minutes**

In 8 years, the mother will be twice as old as her son will be then. Three years ago, the mother was three times as old as her son was then. What is the mother's age now?

Answer: _____

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Team # _____

Question #7
2 minutes, 2 points

Problem 7   **2 points**   **2 minutes**

Carter mows the lawn every 4 days, trims the bushes every 6 days, and waters the lawn every 8 days. If all three events occur on July 1, the next day that they will all occur together is what month and day?

Answers:

Month: _____

Day: _____

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Team # _____

Question #8
2 minutes, 2 points

Problem 8   **2 points**   **2 minutes**

You must paint 15 signs and each sign takes 20 minutes. You absolutely have to have them painted by the deadline of 5pm for the customer to pick them up from your store.

What is the latest time you can begin the job?

Answer:

Latest Start Time: _____

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Team # _____

Question #9
3 minutes, 3 points

Problem 9   **3 points**   **3 minutes**

Presley's swimming pool with a capacity of 36,000 gallons of water originally contained 9,000 gallons of water. At 10:00am, water begins to flow into the pool at a constant rate. The pool is exactly ¾ full at 1:00pm the same day and the water continues to flow at the same rate.
What is the earliest time the pool will be completely full?

Answers:

Time _____

am or pm? _____

Team # _____

Team # _____

Question #10
3 minutes, 3 points

Problem 10   **3 points**   **3 minutes**

There were 10,483 people who attended a rock festival. If there were 811 more boys than girls, and 2,481 fewer adults over 50 years of age than there were girls, how many of each group attended the festival?

Answers:

# of boys: _____

# of girls: _____

# of people 50 or older: _____

Team # _____

Team # _____

Question #11
1 minute, 1 point

Problem 11   **1 point**   **1 minute**

Determine three consecutive even integers whose sum is 78.

Answers: _____, _____, _____

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Team # _____

Question #12
2 minutes, 2 points

Problem 12   **2 points**   **2 minutes**

Ten workers can lay 12 miles of streetcar track in 80 days. How many workers would it take to lay the same amount of tract in 50 days?

Answer:

# of workers: _____

Team # _____

Team # _____

Question #13
1 minute, 1 point

Problem 13 **1 point** **1 minute**

500 days after Tuesday would be what day?

Answer: _____

Team # _____

Team # _____

Question #14
2 minutes, 2 points

Problem 14   **2 points**   **2 minutes**

The length of a rectangle is 5 feet more than twice the width. The perimeter is 28 feet. Find the length and the width.

Answers:

Length: _____ ft.

Width: _____ft.

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Team # _____

Question #15
2 minutes, 2 points

Problem 15 **2 points** **2 minutes**

Mr. T$_o$P. Seller earns a weekly salary of $550 plus a 10% commission on sales above his $1000 weekly quota.
What were his gross earnings in the week he had $2,600 of sales that week?

Answer:

Gross Earnings: _____

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Team # _____

Question #16
3 minutes, 3 points

Problem 16   **3 points**   **3 minutes**

A one dollar bill is 4/1000 of an inch thick. In miles, how high is a $1 billion stack of dollar bills?

Answer: _____

Team # _____

Team # _____

Question #17
2 minutes, 2 points

Problem 17   **2 points**   **2 minutes**

The Kansas City Ballet wants to perform a piece that requires two female dancers. If there are 7 female dancers in the KC Ballet Company that could be selected, how many possible combinations of dancers could perform the piece?

Answer:

#: _____

Team # _____

Team # _____

Question #18
1 minute, 1 point

Problem 18 **1 point** **1 minute**

In the addition problem shown, different letters stand for different digits. If O stands for 7, what digit does the W represent?

Answer: _____

Team # _____