

AMDM  
Fall Final Exam REVIEW

A concert promoter wants to hold a concert in the park. The area of the park he plans to use is 400 feet long and 400 feet wide. If the average person takes of 8 square feet of area. How many people can fit into the space for the concert?

The 7-digit numbers in a given phone number have the form ABC – XXXX, where A can be digits 1 – 5, B can be digits 1 – 6, C can be digits 1 – 7, and X can be digits 1 – 8. According to these conditions, how many 7-digit numbers are possible?

If I have a TV screen that is 50" with an aspect ratio of 8:6. What is the area of the TV screen?

What is the diameter of the tire that has measurements **P150/60/15**?

Tire	P150/60/15	P200/40/20
Width (mm)	150	200
Aspect Ratio (%)	0.60	0.40
Height (in)	3.5	3.1
Diameter (in)		
Circumference (in)		

What is the diameter of the tire that has measurement **P200/40/20**?

What is the circumference of the tire that has measurements **P150/60/15**?

What is the circumference of the tire that has measurements **P200/40/20**?

The value for **k** equals?

If your odometer reading is 50,000 miles, the car actually has how many miles?

If your speedometer reading is 60 mph, what is the actual speed it is traveling?

Averages	%	Grades
Class Participation = 90	0.20	
Homework = 80	0.20	
Test = 70	0.30	
Final Exam = 60	0.30	

Given the chart above, what will be the student's overall grade?

Determine the slugging percentage for each player using the stats provided.

Singles – 70

Doubles – 30

Triples – 20

HRs – 30

AB – 400

What will be the player's overall slugging percentage?

Determine the QBR for the player using the stats provided.

Completions – 24

Attempts – 40

TDs – 4

INTs – 2

Total Yards – 280

What will be the player's overall QBR?

#### 2015 FAN COST INDEX

Team	Avg. Ticket Price	Soft Drink (size in oz.)	Other Drink	Hot Dog	Parking	Program	Cap	FCI
VIKINGS	50.00	7.00 (25)	25.00	5.00	50.00	16.00	20.00	
49ERS	40.00	5.00 (25)	20.00	10.00	80.00	15.00	20.00	
REDSKINS	40.00	8.00 (25)	20.00	10.00	60.00	10.00	40.00	
TEXANS	50.00	6.00 (25)	15.00	5.00	60.00	5.00	10.00	

Which team had the lowest FCI?

Which team had the highest FCI?

Which team had the lowest soft drink price per ounce?

Which team had the highest soft drink price per ounce?

Determine the value of the check digit for the UPC code below.

**8 – 21123 – 23409 – d**

What will the value of the check digit have to be to make the UPC code above valid?

Determine the value of the check digit for the CC number below.

**5232 – 1177 – 3324 – 123d**

What will the value of the check digit have to be to make the CC number above valid?

**400 people were surveyed**  
**250 people read the Amarillo Globe**  
**200 people read the Canyon News**  
**75 people read both**  
**25 people read neither**

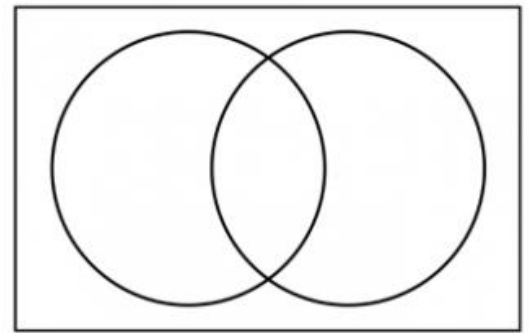
What is the probability that someone reads the Amarillo globe?

What is the probability that someone reads the Canyon News?

What is the probability that someone reads Amarillo Globe AND the Canyon News?

What is the probability that someone reads Amarillo Globe OR the Canyon News?

What is the probability that someone reads neither?



How many males were involved in a car accident?

	<b>Car</b>	<b>Motorcycle</b>
<b>Males with vehicle</b>	<b>143</b>	<b>49</b>
<b>Males involved in accident</b>	<b>71</b>	<b>14</b>
<b>Females with vehicle</b>	<b>295</b>	<b>22</b>
<b>Females involved in accident</b>	<b>43</b>	<b>8</b>

How many females own a motorcycle?

How many males were involved in a motorcycle accident?

How many females were involved in a car accident?

How many males own a motorcycle?

- If no wager is made Yvonne gets \$25 a week
- If Yvonne misses the first basket, she gets only \$15
- If Yvonne makes the first basket, she gets \$20 and a chance to make another basket for an additional \$20
- 52 weeks in a year
- 31 weeks a year Yvonne will miss the first basket
- 13 weeks a year Yvonne will make the first basket, but miss the second basket
- 8 weeks a year Yvonne will make both baskets

How much allowance will Yvonne get if no wager is made?

How much allowance will Yvonne get if the wager is made?

How much money will Yvonne's father save if they make the wager?

- **Mean = 32**
- **n = 1450**
- **Standard deviation = 4.59**

What is the margin of error for the data set?

What is the upper bound for the data set?

What is the standard deviation for the data set?

10	12	23	7	12	29	13	19	17	11	32	43	28	20
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What is the minimum for the data set?

What is the maximum for the data set?

What is the median for the data set?

What is Q1 for the data set?

What is Q3 for the data set?