Unit 3 Math Test Review

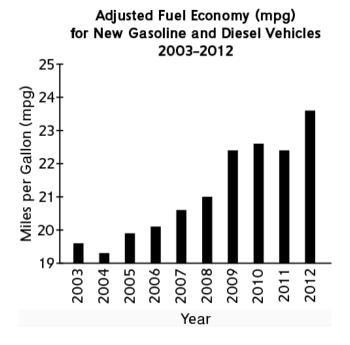
Nam	ne:	#:				
Parent Signature (test alert):						
Test	t is on:					
1.	a. 4.7 + 18 -	+ 21.63 = ?	b. ? = 9 – 6.37			
	Estimate:		Estimate:			
	Answer:		Answer:			
	c. ? = 2.8 x 3	3.4	d. 5.52 / 1.6 = ?			
	Estimate:		Estimate:			
	Answer:		Answer:			
	rectangular ga ose the garder		d 8.27 yards long. How much fencing will it take to			
Num	nber model:					
Solu	tion:					
		978.37 per month. does she have left after pa	ying all of these bills?			
Rent	t: \$850.00	Groceries: \$299.87	Electricity: \$78.57			
Num	nber model:					
Solu	tion:					

Solution:
Explain what mistake the cashier might have made.
5. Use estimation to place the decimal in each answer. Explain or record a number sentence to show how you made your estimate. a. 4.67 * 9.14 = 426838
b. 33.78 * 204.5 = 690801
c. 2,321.2 / 0.56 = 414500
6. Emileen buys a bunch of bananas for her weekly snacks. Bananas cost \$1.99 per pound.
The bunch of bananas that she buys weighs 3.6 pounds. How much will Emileen pay for her bunch of bananas before tax? Show your work.
Solution:

4. Bray Wyatt took his family to dinner. The total cost was \$38.75. He gave the cashier \$40.00. The cashier incorrectly gave him the \$2.35 in change. How much change should the Wyatt family have received?

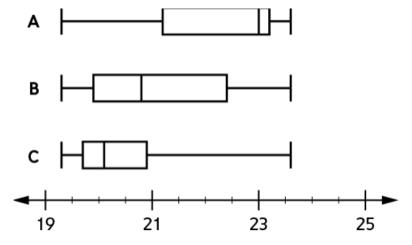
7. Kristen paid \$47.32 to fill her car's gas tank with gas. If the gas tank was empty and the cost of gasoline was \$3.64 per gallon, how many gallons does the gas tank hold?					
Num	ber model:				
Solut	cion:				
8.	a. 30% of 50 is what number?				
	b. 65% of 80 is what number?				
	c. Explain how you found 30% of 50.				
9.	a. 20 is 10% of what number?				
	b. 35 is 20% of what number?				
	c. Explain how you found the number for problem a.				
	salad dressing is 40% peanut oil. Greg wants to make 5 cups of dressing. much peanut oil does he need?				
Solut	zion:				
	ulie withdrawls \$175.00 from her bank account. This amount is 25% of her total savings. much did she have in her account originally?				
Solut	tion:				

12. The bar graph shows the overall average fuel efficiency of all automobiles.



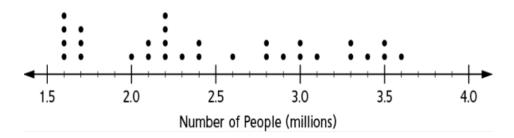
a. Describe what you know from the graph about vehicle fuel economy over the years.

b. Circle the box plot that best represents the same data.



13. The dot plot below shows the total attendance (in millions, rounded to the nearest 0.1 million) at the 30 Major League Baseball stadiums during 2012.

Major League Baseball Attendance



a. Find the following data landmarks to describe the center and spread of the data.

Minimum:

Maximum:

Range:

Median: _____

01:

Q3: _____

Interquartile range: _____

Mode(s):

14. Create a box plot to display the data given in Problem a.



15. Describe the advantages and disadvantages of your box plot representation of Major League Baseball attendance data.

Unit 3 Math Test Review

Name: Key	#:
Parent Signature (test alert):	
Test is on:	
1. a. 4.7 + 18 + 21.63 = ?	b. ? = 9 - 6.37
Estimate: $5+18+22=45$	Estimate: $9-6=3$ 89 10
Answer: 18 + 21,63 + 44,33	Answer: 2.63 $\frac{-6.37}{2.63}$
c. ? = 2.8 x 3.4	d. 5.52 / 1.6 = ?
Estimate:	Estimate:
3x3=9 218 x3.4	6/2 = 3
Answer: 9,52	Answer: 16/5/520
2. A rectangular garden is 6.35 yards wide and 8. enclose the garden?	80
Number model: $\frac{(b_1 35 \times 2) + (8_1 2)}{0R} + \frac{(8_1 2)}{(6_1 35) + (8_1 2)}$	27×2) -80 + 6,35 + 8,27
Solution: 29.24 yards	- 6,35
3. Jamie earns \$1,978.37 per month. How much money does she have left after paying	all of these bills? 8,27
Rent: \$850.00 Groceries: \$299.87	Electricity: \$78.57
	The same of the sa

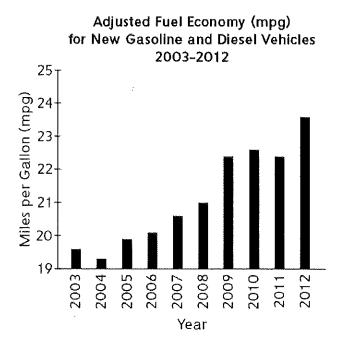
Number model: 1978.37 - (850 + 299.87 + 78.57)Solution: 4749.93

4. Bray Wyatt took his family to dinner. The total cost The cashier incorrectly gave him the \$2.35 in change.	
How much change should the Wyatt family have received	red? 49.00
Solution: #1,25	a transfer and the second of t
Explain what mistake the cashier might have made.	
The cashier may have u	ounted up incorrectly to
make the dwage, thinking	38+2)-40,7+3=10,5
	TO get \$2,23
5. Use estimation to place the decimal in each answer. Explain or record a number sentence to show how you	made your estimate.
a. $4.67 * 9.14 = 426838$ $5 \times 9 = +5$	
<u>so</u> 42.6838	
b. 33.78 * 204.5 = 690801 30 × 200 =	6000
<u>so 6908.0</u>) /
c. 2,321.2 / 0.56 = 414500	$= 2300 \times \frac{2}{7} = 4600$
OR 2300+/=	2300 so 4145.00
6. Emileen buys a bunch of bananas for her weekly sna The bunch of bananas that she buys weighs 3.6 pounds How much will Emileen pay for her bunch of bananas l	5.
	# 1,99
A) -7 11	X 3.6
Solution:	I I I
	5970
	7.164

7. Kristen paid \$47.32 to fill his car's gas tank gasoline was \$3.64 per gallon, how many gallo			pty and the cost of
Number model: 47.32 ÷	3,64	Selling Colleges	
Solution: 13 gallons	ış.		3.64)47.32
8. a. 30% of 50 is what number?	-440		
b. 65% of 80 is what number?			
c. Explain how you found 30% of 50.			
multiplied to x 50 -	Salar Salar		
3 X 51	idaen per	150 15	51000
9. a. 20 is 10% of what number?	0	/	
b. 35 is 20% of what number?/			
c. Explain how you found the number f	or problen	na. <u>I used</u>	equivalent
c. Explain how you found the number f	ked Kanadalana K	10 I Kn	ou you nead
to double 10 to get 2	20, =	e I doub	led 100 to
10. A salad dressing is 40% peanut oil. Greg w How much peanut oil does she need?	ants to ma	ke 5 cups of dressing.	
F	10%	of 5 X	41-120 = 2
Solution: 2 wes		100	ouer consumer.
11. Julie withdrawls \$175.00 from his bank ac How much did he have in his account originall		s amount is 25% of hi	s total savings.
	Mncj	+175,00	# 700
Solution: #700,00	% of acct	25%	100%
•	\	art - talah pendamanan katalan keranggah kilandap di kamanan pendipada salah dipandah keranggan salah di penda Salah pendaman salah kilandar keranggah kilandap di kamanan pendipada salah dipandah keranggan salah di pendam	and the state of t

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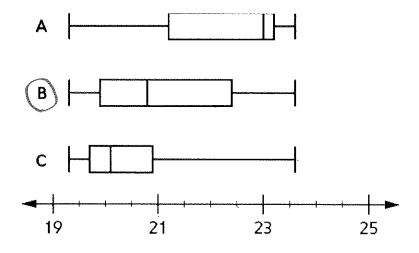
12. The bar graph shows the overall average fuel efficiency of all automobiles.



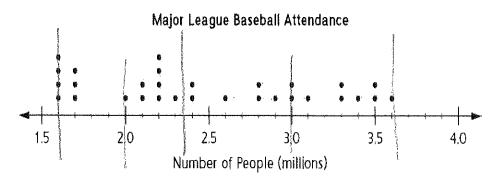
a. Describe what you know from the graph about vehicle fuel economy over the years.

The miles per gallon increased between 2003-2012, with the greatest increases coming from 200x-2009 and 2011-2012.

b. Circle the box plot that best represents the same data.



13. The dot plot below shows the total attendance (in millions, rounded to the nearest 0.1 million) at the 30 Major League Baseball stadiums during 2012.



a. Find the following data landmarks to describe the center and spread of the data.

Minimum: 1,6

Maximum: _____3.6

Range: 2

Median: 2,35

Q1: 2,0

03: 3,0

Interquartile range: 110

Mode: 1.6 and 2.2

14. Create a box plot to display the data given in Problem a.



15. Describe the advantages and disadvantages of your box plot representation of Major League Baseball attendance data.

The tox plot does not show each data point, so you cannot determine the mean by looking at it. With a dot plot you can find all the landmarks. A tox plot shows how the data is distributed and whether or not the data is bunched in different quarters.